

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-A
EPA Studies and Contractor Reports

<u>Document No.</u>	<u>Description</u>
I-A-1	Background information--proposed national emission standards for hazardous air pollutants: asbestos, beryllium, mercury, EPA:OAP, December 1971.
I-A-2	Comprehensive study of specified air pollution sources to assess the economic impact of air quality standards--asbestos, beryllium, mercury: vol. II, EPA contract no. 68-02-0088, Research Triangle Institute, August 1972
I-A-3	Final report on development of an analytical method for chrysotile and amphibole asbestos in spraycoat and cementitious materials, Battelle Columbus Laboratories, EPA Contract No. 68-02-0230, April 30, 1974.
I-A-4	Investigation of fugitive dust--volume I: sources, emissions, and control, EPA:OAQPS, EPA-450/3-74-036a, June 1974.
I-A-5	Investigation of fugitive dust--volume II, control strategy and regulatory approach, EPA:OAQPS, EPA-450/3-74-036-b, June 1974.
I-A-6	Identification and assessment of asbestos emissions from incidental sources of asbestos, EPA:ORD, EPA-650/2-74-087, September 1974.
I-A-7	Asbestos fiber atlas, EPA:ORD, EPA-650/2-75-036, April 1975.
I-A-8	Field testing of control concepts for abatement of emissions from asbestos manufacturing waste, IIT Research Institute, EPA contract no. 68-02-1872, monthly progress report no. IITRI-C6338-1, May 1975.
I-A-9	Asbestos contamination of the air in public buildings, EPA:OAQPS, EPA-450/3-76-004, October 1975, 70 pp.
I-A-10	EPA demolition and renovation inspection procedures, EPA:SSSED, October 1975.
I-A-11	Asbestos in the water supplies of the ten regional cities; part I, W. C. McCrone Associates, Inc., prepared for EPA:OTS, EPA contract no. 68-01-2690, EPA 560/6-76-017, April 1976, 60 pp.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-A
EPA Studies and Contractor Reports

<u>Document No.</u>	<u>Description</u>
I-A-12	Hazardous wastes: a risk benefit framework applied to cadmium and asbestos, EPA:ORD, EPA-600/5-77-002, February 1977.
I-A-13	Movement of selected metals, asbestos, and cyanide in soil: applications to waste disposal problems, EPA:ORD, EPA-600/2-77-020, April 1977.
I-A-14	Guideline for development of control strategies in areas with fugitive dust problems, EPA:OAQPS, EPA-450/2-77-029, October 1977.
I-A-15	Identification of selected silicate minerals and their asbestiform varieties by electron optical and X-ray techniques, EPA:ESRL, NTIS PB-299406, 1978.
I-A-16	Asbestos: a bibliography, EPA:ERL, EPA-600/3-78-066, July 1978.
I-A-17	School asbestos program questions and answers, EPA:OTS, April 1979.
I-A-18	Asbestos/rock quarries--mineralogical analysis of crushed stone samples, EPA:OAQPS, EPA-450/3-79-031, July 1979.
I-A-19	Exposure to asbestos from drinking water in the United States, EPA:HERL, EPA-600/1-79-023, August 1979, 86 pp.
I-A-20	Movement of hazardous substances in soil: a bibliography - Vol. I: selected metals, EPA:_____, EPA-600/9-79-024a, August 1979.
I-A-21	Status assessment of toxic chemicals--asbestos, EPA:IERL, EPA-600/2-79-210c, December 1979, 21 pp.
I-A-22	Asbestos-containing materials in school buildings: guidance for asbestos analytical programs, EPA:OPTS, EPA-560/13-80-017, June 1980, 63 pp.
I-A-23	Measurement of asbestos air pollution inside buildings sprayed with asbestos, EPA:OPTS, EPA-560/13-80-026, August 1980, 79 pp.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-A
EPA Studies and Contractor Reports

<u>Document No.</u>	<u>Description</u>
I-A-24	Ambient water quality criteria for asbestos, EPA:OW, EPA-440/5-80-022, October 1980, 152 pp.
I-A-25	Asbestos/asbestiform research in EPA:ORD, EPA:ORD, EPA-600/7-81-032, March 1981, 80 pp.
I-A-26	Assessment and control of chrysotile asbestos emissions from unpaved roads, EPA:OAQPS, EPA-450/3-81-006, May 1981, 105 pp.
I-A-27	Identifying the potential asbestos exposures in schools: the New York City experience, New York City Board of Education and Research Triangle Institute prepared for EPA:OTS, EPA contract no. 68-01-5848, EPA-560/5-81-10, June 1981, 128 pp.
I-A-28	Guidelines for the use of encapsulants on asbestos-containing materials, EPA:OTS, June 1981.
I-A-29	Interim method for the determination of asbestos in bulk insulation samples, Research Triangle Institute, prepared for EPA:OPTS, EPA contract no. 68-02-3431, October 1981, 52 pp.
I-A-30	Life cycle of asbestos in commercial and industrial use, including estimates of release to air, water, and land (draft), D. Cogley et al., GCA Corporation, prepared for EPA:OTS, EPA contract no. 68-02-3168, February 1982, 265 pp.
I-A-31	Chemical stabilizers for the control of fugitive asbestos emissions from open sources, IIT Research Institute, prepared for EPA:IERL, grant no. R-806269, EPA-600/2-82-063, April 1982, 54 pp.
I-A-32	Intermedia priority pollutant guidance documents, EPA:OPTS, July 1982, 28 pp.
I-A-33	Estimation of urban automobile brake emissions through simulation of wear dynamics, Northrop Services, Inc., prepared for EPA:ESRL, EPA contract no. 68-02-2566, August 1982, 87 pp.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-A
EPA Studies and Contractor Reports

<u>Document No.</u>	<u>Description</u>
I-A-34	Economic analysis of controls on asbestos and asbestos products, vol. I, Research Triangle Institute and PEDCo Environmental, Inc., prepared for EPA:OPTS, September 1982, 324 pp.
I-A-35	Economic analysis of controls on asbestos and asbestos products, vol. II, Research Triangle Institute and PEDCo Environmental, Inc., prepared for EPA:OPTS, September 1982, 288 pp.
I-A-36	Economic analysis of controls on asbestos and asbestos products, vol. III, Research Triangle Institute and PEDCo Environmental, Inc., prepared for EPA:OPTS, September 1982, 141 pp.
I-A-37	Collection, analysis, and characterization of vermiculite samples for fiber content and asbestos contamination: final report, Midwest Research Institute, prepared for EPA:OPTS, EPA contract no. 68-01-5915, September 27, 1982, 130 pp.
I-A-38	Collection, analysis, and characterization of vermiculite samples for fiber content and asbestos contamination: appendix I, Midwest Research Institute, EPA contract no. 68-01-5915, September 27, 1982, 160 pp.
I-A-39	Collection, analysis, and characterization of vermiculite samples for fiber content and asbestos contamination: appendix II, part I, Midwest Research Institute, EPA contract no. 68-01-5915, September 27, 1982, 203 pp.
I-A-40	Collection, analysis, and characterization of vermiculite samples for fiber content and asbestos contamination: appendix II, part II, Midwest Research Institute, prepared for EPA:OPTS, EPA contract no. 68-01-5915, September 27, 1982, 216 pp.
I-A-41	Asbestos exposure assessment in buildings-inspection manual, EPA:Region VII, EPA-907/9-82-009, 79 pp.

ENVIRONMENTAL PROTECTION

JAN 20 1987
CENTRAL DOCKET
SECTION

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHA Review
Category I
Review of Standards
Subcategory I-A
EPA Studies and Contractor Reports

<u>Document No.</u>	<u>Description</u>
I-A-42	Asbestos monitoring study: evaluation of selected control technologies and analytical methods-trip reports, PEDCo Environmental, Inc., prepared for EPA:OPTS, EPA contract no. 68-02-3173, November 1982, 77 pp.
I-A-43	Analysis of fiber release from certain asbestos products, GCA Corporation, prepared for EPA:OPTS, EPA contract no. 68-01-5960, December 1982, 156 pp.
I-A-44	Asbestos products industry status report: 1977-1982, Research Triangle Institute, February 1983.
I-A-45	Asbestos products baseline projections, Research Triangle Institute, prepared for EPA:OPTS, January 1984, 75 pp.
I-A-46	NESHAPs: asbestos demolition and renovation inspection workshop, GCA Corporation, prepared for EPA, EPA contract no. 68-02-3961, 148 pp.
I-A-47	Evaluation of asbestos abatement techniques (draft), Battelle Columbus and Midwest Research Institute, prepared for EPA:OPTS, EPA contract no. 68-01-6721, September 1984, 135 pp.
I-A-48	Evaluation of asbestos-in-schools identification and notification rule, EPA-560/5-84-005, October 1984, 235 pp.
I-A-49	Energy potential from construction and demolition wood wastes, JACA Corp., prepared for EPA, PB-265 392, April 1977.
I-A-50	Bulk sample analysis for asbestos content: evaluation of the tentative method, E. P. Brantly et. al., RTI, Contract No. 68-02-3222, October 1981.
I-A-51	Landfill design liner systems and final cover, RCRA guidance document, draft, July 1982.
I-A-52	Air quality criteria for particulate matter and sulfur oxides, Volume II, EPA-600/8-82-029b, December 1982.

3-11-87

ENVIRONMENTAL PROTECTION
AGENCY

JAN 20 1987

CENTRAL DOCKET
SECTION

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
I-B-1	N. R. Swanson, EPA:RPS, to Files, undated, Trip report: visit to Johnson-March Corporation, Philadelphia, Pennsylvania.
I-B-2	J. U. Crowder, EPA:HPB, to D. M. Slaughter, EPA:HPB, February 25, 1972, Visits to (a) GAF Corporation, South Bound Brook, New Jersey, (b) Whitehall, Pennsylvania, (c) Greenwich, Connecticut, and (d) near Hyde Park, Vermont in support of proposed national emission standards for asbestos.
I-B-3	G. H. Wood, HEW:HPB, to D. M. Slaughter, EPA:HPB, June 6, 1972, Trip report: visit to Brake Supply Company in Richmond, Virginia, in support of proposed National Emission Standard for Asbestos.
I-B-4	G. H. Wood, HEW:HPB, to D. M. Slaughter, EPA:HPB, July 20, 1972, Evaluation of textured paint emission sources for inclusion in revised national emission standard for asbestos.
I-B-5	G. H. Wood, HEW:HPB, to T. Fields, HEW:OSWMP, November 27, 1972, Disposal of asbestos waste materials.
I-B-6	T. R. Osag, EPA:ESB, to G. B. Crane, EPA:ESB, February 20, 1973, Trip report: visit to Johns-Manville plant in Manville, New Jersey.
I-B-7	T. R. Osag, EPA:ESB, to G. B. Crane, EPA:ESB, March 2, 1973, Trip report: visit to MikroPul Division, Slick Corporation, in Summit, New Jersey.
I-B-8	T. R. Osag, EPA:ESB, to G. B. Crane, EPA:ESB, March 5, 1973, Trip report: visit to Frank A. Walsh and Sons, Inc., in Cleveland, Ohio.
I-B-9	B. A. Varner, EPA:ESED, to G. B. Crane, EPA:DDS, May 2, 1973, Information obtained on asbestos demolition--5/1-5/2/73.
I-B-10	R. J. Thompson, EPA:QAEML, to G. S. Thompson, EPA:ESED, July 25, 1973, Urban asbestos levels.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
I-B-11	G. G. Robeck, EPA:WSD, to G. Everett, EPA:OTA, August 24, 1973, Memorandum on summary of fiber counts for Duluth asbestos project.
I-B-12	G. G. Robeck, EPA:WSD, to G. Everett, EPA:OTA, August 28, 1973, Transmitting results of fiber counts in Aqua-chem samples.
I-B-13	E. J. Vincent, EPA:ISB, G. B. Crane, EPA:DDS, to S. T. Cuffe, EPA:ISB, September 10, 1973, Field trip to Reserve Mining Company's taconite plant at Silver Bay, Minnesota.
I-B-14	S. L. Roy, Jr., EPA:SDB, to J. R. Farmer, EPA:SDB, September 10, 1973, Trip report: survey visit to GAF asbestos mining and milling operation in Hyde Park, Vermont.
I-B-15	A. Lee and S. L. Roy, Jr., EPA:SDB, to J. R. Farmer, EPA:SDB, September 13, 1973, Trip report: visit to Certain-Teed and Nicolet Industries in Ambler, Pennsylvania, to select asbestos monitoring sites at a plant waste disposal site.
I-B-16	W. Grimley, EPA:OAQPS, to D. Patrick, EPA:OAQPS, September 18, 1973, Trip report: presurvey visit to Reserve Mining Company, Silver Bay, Minnesota, to determine the feasibility of obtaining particulate samples with millipore filters from several emission sources within the plant for subsequent asbestos analysis.
I-B-17	T. A. Hartlage, EPA:FMIEB, to Addressees, September 19, 1973, GAF asbestos mine and mill study.
I-B-18	E. J. Vincent, EPA:ISB, to S. T. Cuffe, EPA:ISB, September 20, 1973, Trip report: visit to Reserve Mining Company to conduct source test.
I-B-19	W. E. Kelley, EPA:EMB, to R. L. Ajax, EPA:EMB, September 20, 1973, Trip report: visit to Reserve Mining Company to monitor the collection of atmospheric emission samples.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
I-B-20	A. Lee, EPA:SEC, to J. R. Farmer, EPA:SDB, September 28, 1973, Trip report: visit to GAF Corporation mine and mill, Hyde Park, Vermont.
I-B-21	R. J. Thompson, EPA:QAEML, to Chief, EPA:SDB, October 17, 1973, Ambient air asbestos analyses.
I-B-22	R. J. Thompson, EPA:QAEML, to J. R. Farmer, EPA:SDB, October 18, 1973, Ambient air asbestos analyses for six cities.
I-B-23	J. T. Dale, EPA:SSS and J. F. Peoples, EPA:SSS, to S. T. Cuffe, EPA:ISB, October 25, 1973, Trip report: some asbestos manufacturers and fabricators in the Boston area, July 31 - August 3, 1973.
I-B-24	S. L. Roy, EPA:SDB, to Hartlage, EPA:ASS, October 26, 1973, Vermont ambient asbestos study - sample selection.
I-B-25	T. E. Ward, EPA, to J. Crowder, EPA:SES, October 29, 1973, Trip to Certian-Teed Corporation, Ambler, PA.
I-B-26	S. L. Roy, EPA:SDB, to T. Hartlage, EPA:ASS, November 5, 1973, Ambler, PA ambient asbestos study--revised sample selection.
I-B-27	J. T. Dale, EPA:SSS, and J. F. Peoples, EPA:SSS, to S. T. Cuffe, EPA:ISB, November 9, 1973, Trip report: asbestos board fabricators in the Houston and New Orleans areas, August 16-17, 1973.
I-B-28	J. F. Peoples, EPA:SSS, to J. F. Durham, EPA:SSS, November 15, 1973, Concerning fabrication and waste disposal from the manufacture of asbestos products.
I-B-29	J. T. Dale, EPA:SSS, to S. T. Cuffe, EPA:ISB, November 20, 1973, Trip report: asbestos brake shoe plant in Newport News, Virginia, November 7, 1973.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
I-B-30	J. T. Dale, J. F. Peoples, EPA:SSS, to S. T. Cuffe, EPA:ISB, December 6, 1973, Trip report: visit to asbestos product fabricators and manufacturers in Philadelphia, Indianapolis, and Waynesboro areas--August 28-30, 1973.
I-B-31	F. J. Burmann, EPA:FMIEB, to J. R. Farmer, EPA:SDB, December 18, 1973, Final report on Vermont GAF asbestos project (attached).
I-B-32	F. P. Scaringelli, EPA:EASS, to Chief, EPA:SDB, January 8, 1974, Results of analysis of samples collected in Pennsylvania.
I-B-33	F. P. Scaringelli, EPA:ESAS, to J. R. Farmer, EPA:SDB, January 8, 1974, Memorandum on concentrations of asbestos in United States cities.
I-B-34	F. P. Scaringelli, EPA:ESAS, to J. R. Farmer, EPA:SDB, January 16, 1974, Results of analysis of asbestos samples from the Vermont study.
I-B-35	A. Lee, EPA:SDB, to EPA files, January 23, 1974, Demolition of buildings during freezing conditions.
I-B-36	F. J. Burmann, EPA:EMB, to J. Farmer, EPA:SDB, February 21, 1974, Report on Ambler, Pennsylvania asbestos study.
I-B-37	Staff Geologists, EPA:OTA, to R. L. Ajax, EPA:EMB, March 4, 1974, Results of analyses by Battelle of process samples taken at reserve mining, Silver Bay, Minnesota.
I-B-38	F. P. Scaringelli, EPA:ESAS, to R. L. Ajax, EPA:EMB, March 20, 1974, Enclosing process emission samples from Reserve Mining, Duluth.
I-B-39	D. Kee, EPA:ASED, to D. R. Goodwin, EPA:ESED, March 21, 1974, Definition of "friable" for NESHAPs asbestos demolition regulation.
I-B-40	D. R. Goodwin, EPA:ESED, to D. Kee, EPA:ASED, April 11, 1974, Definition of "friable" for NESHAPs asbestos demolition regulation.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
I-B-41	S. L. Roy, Jr., EPA:RPS, to J. R. Farmer, EPA:SDB, April 17, 1974, Trip report: inspection of vacant buildings that will be demolished and observation of building demolition practices in Chicago, Illinois.
I-B-42	J. U. Crowder, EPA:RPS, to G. Stevens, EPA:DSSE, April 18, 1974, Technical comment on NESHAP asbestos regulation.
I-B-43	F. P. Scaringelli, EPA:ESAS, to S. Roy, EPA, April 25, 1974, Report on the analyses of material samples for asbestos--Vermont and Pennsylvania study.
I-B-44	A. Lee, EPA:SDB, to J. R. Farmer, EPA:SDB, May 22, 1974, Trip report: visit to California companies to observe and gather information on emission control and disposal techniques for asbestos tailings.
I-B-45	J. R. Farmer, EPA:SDB, to V. Newill, EPA:OAHE, May 24, 1974, Asbestos emissions from cooling towers.
I-B-46	A. Lee, EPA:RPS, to J. R. Farmer, EPA:SDB, June 19, 1974, Asbestos stack emission data and asbestos emission limitations.
I-B-47	A. Lee, EPA:RPS, to EPA files, June 28, 1974, Dust suppressant agents for the control of asbestos tailings piles.
I-B-48	A. Lee, EPA, to Files, July 1, 1974, Land disposal of asbestos waste.
I-B-49	F. P. Scaringelli, EPA:ESAS, to J. Farmer, EPA:SDB, July 16, 1974, Comparison of asbestos sample concentrations by two methods, EM and OM.
I-B-50	A. Lee, EPA:SDB, to Files, July 29, 1974, Use of asbestos in asphalt batch plants.
I-B-51	A. Lee, EPA:RPS, to EPA files, September 13, 1974, Soil stabilization of waste piles for emission control.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHA Review
Category I
Review of Standards
Subcategory I-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
I-B-52	N. R. Swanson, EPA:RPS, to S. L. Roy, Jr., EPA:RPS, October 21, 1974, Methods for testing the durability and coherency of chemical dust suppressants.
I-B-53	R. H. Jones, EPA:SFAS, to J. U. Crowder, EPA:ESED, October 30, 1974, Analysis of insulation material.
I-B-54	J. R. Farmer, EPA:SDB, to R. Markey, EPA:Region VII, November 5, 1974, Air emissions of insulating materials.
I-B-55	N. R. Swanson, EPA:RPS, to EPA files, December 16, 1974, Trip report: asbestos asphalt plant visit with regard to the handling and possible emissions of asbestos.
I-B-56	D. R. Goodwin, EPA:ESED, to R. D. Wilson, EPA:DSSE, December 27, 1974, Regarding asbestos emissions from buildings.
I-B-57	N. R. Swanson, EPA:RPS, to file, April 15, 1975, Regarding asbestos emissions during demolition and renovation of building at Yale University.
I-B-58	S. L. Roy, Jr., EPA:RPS, to D. Cook, EPA:Region IX, June 13, 1975, Concerning use of asbestos tailings on roadways.
I-B-59	R. M. Martin, EPA:EMB, to J. E. McCarley, EPA:EMB, August 26, 1975, Trip report: Reserve Mining Company, Silver Bay, Minnesota.
I-B-60	S. T. Cuffe, EPA:ISB, to R. L. Ajax, EPA:EMB, August 26, 1975, Requesting analyses of process material and emission tests of iron ore beneficiation plants.
I-B-61	G. H. Wood, EPA:ESED, to S. T. Cuffe, EPA:ISB, September 4, 1975, Trip report: emission tests of pilot-sized electrostatic precipitator at Reserve Mining Company, Silver Bay, Minnesota.
I-B-62	G. H. Wood, EPA:SSNCPS, to J. F. Durham, EPA:SSNCPS, September 18, 1975, Visit to Cities Service Company's iron ore beneficiation facilities at Copperhill, Tennessee, on May 29 and 30, 1975.

EPA Docket No. OAQPS A-80-47
 EPA Project No. 80/41
 Asbestos NESHAP Review
 Category I
 Review of Standards
 Subcategory I-B
 EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
I-B-63	L. S. Granger, EPA:EMB, to J. E. McCarley, EPA:EMB, November 3, 1975, Trip report: source test of an iron ore beneficiation plant, Iron Mountain, Michigan.
I-B-64	L. S. Granger, EPA:EMB, to J. E. McCarley, EPA:EMB, November 12, 1975, Enclosing trip report--presurvey of the three IOB plants.
I-B-65	H. Zar, EPA:Region V, to G. Wood, EPA:ESB, January 8, 1976, Asbestos discharges from cooling towers.
I-B-66	T. E. Bibb, EPA:ESED, to Addressees, May 25, 1976, Enclosing final source test report.
I-B-67	L. Chaput and N. Swanson, EPA:SDB, to Files, March 7, 1977, Trip report: asbestos information gathering visit to New Jersey.
I-B-68	J. L. Miller, EPA:ESRL, to S. L. Roy, Jr., EPA:ESED, April 4, 1977, Estimation of quantity of asbestos in Rockville, Maryland, quarry sample.
I-B-69	J. L. Miller, EPA:ESRL, to S. L. Roy, Jr., EPA:ESED, April 11, 1977, Quantitative measurement of asbestos in Rockville, Maryland, quarry sample.
I-B-70	S. L. Roy, Jr., EPA:SDB, to EPA files, April 18, 1977, Trip report: visit to Rockville crushed stone plant in Montgomery County, Maryland.
I-B-71	P. M. Cook, EPA:ERL, to R. J. Thompson, EPA:EMSL, May 31, 1977, Analysis of four ambient air samples for mineral fiber content.
I-B-72	G. Wood, EPA:ESED, to J. Miller, EPA:ESRL, June 2, 1977, Quantitative measurements of asbestos samples from school playground.
I-B-73	J. Knelson, EPA:HERL, to EPA Administrator, June 2, 1977, Asbestos air pollution from serpentine rock.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
I-B-74	J. L. Miller, EPA:ESRL, to G. H. Wood, EPA:ESED, June 22, 1977, Quantitative estimate of chrysotile asbestos in crushed quarry stone.
I-B-75	L. S. Chaput, EPA:SDB, to Files, September 12, 1977, Enclosing questions and responses regarding asbestos-containing spray-on materials.
I-B-76	J. A. Eddinger, EPA:ISB, to S. T. Cuffe, EPA:ISB, October 31, 1977, Request for emission testing at Kaiser Steel Corporation's plant at Eagle Mountain, California.
I-B-77	J. Miller, EPA:ERC, to R. Krammer, EPA:AQMB, November 8, 1977, Analysis of quarry samples for asbestiform minerals.
I-B-78	S. T. Cuffe, EPA:ISB, to J. A. Tikvart, EPA:SRAB, January 26, 1978, Request for dispersion estimates for asbestos emissions from iron ore beneficiation plants.
I-B-79	J. A. Eddinger, EPA:ESED, to S. T. Cuffe, EPA:ESED, February 9, 1978, Request for emission testing.
I-B-80	W. J. Campbell, EPA, to M. Davenport, EPA:OAQPS, February 21, 1978, Enclosing copy of procedure "Transmission electron microscopic method for chrysotile."
I-B-81	S. T. Cuffe, EPA:ISB, to D. R. Goodwin, EPA:ESED, March 22, 1978, Summary of airborne asbestos concentrations for the production and use of crushed stone from Rockville.
I-B-82	M. Davenport, EPA:ESED, to S. T. Cuffe, EPA:ESED, May 30, 1978, Amended to request for emission testing.
I-B-83	R. M. Martin, EPA:ESED, to J. E. McCarley, EPA:ESED, June 22, 1978, Trip report: visit to Reserve Mining Company.
I-B-84	M. Davenport, EPA:ESED, to S. T. Cuffe, EPA:ESED, August 22, 1978, Addition to the request for emission tests at reserve mining company.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-B
EPA Factual Memoranda

Document No.

Description

I-B-85

M. U. Karkanawi, EEA, to P. C. Siebert, EEA, Inc., August 23, 1979, Preliminary estimate for storage of taconite piles in silos.

3-16-87

I-B-9

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-C-1	R. D. Wilson, EPA:DSSE, to A. Harvey, R. T. Vanderbilt Company, Inc., June 20, 1973, Responding to inquiry about applicability of the asbestos emission standard to talc milling operations.
I-C-2	J. R. Farmer, EPA:SDB, to W. Mandel, The Bulletin, Philadelphia, Pennsylvania, February 15, 1974, Supplying data on ambient asbestos concentration in waste disposal piles in Pennsylvania.
I-C-3	G. M. Rapier, EPA:AHMD, to W. R. Meyer, Virginia State Air Pollution Control Board, July 7, 1977, Concerning the Virginia vermiculite mine and processing plant in Louisa County, Virginia.
I-C-4	L. S. Chaput, EPA:SDB, to E. Crandall, Maryland State Health Department, July 11, 1977, Regarding removal or sealing of sprayed asbestos-containing material in buildings.
I-C-5	L. S. Chaput, EPA:SDB, to S. I. Kawaller, Carboline Protective Coatings, July 12, 1977, Commenting on the use of sealants to reduce asbestos emissions.
I-C-6	C. Specht, EPA:SDB, to G. A. Faich, Rhode Island Department of Health, August 9, 1977, Discussing sealants for preventing asbestos fiber breakaway from structural surfaces.
I-C-7	C. Specht, EPA:SDB, to S. I. Kawaller, Carboline Protective Coatings, August 15, 1977, Acknowledging letter with regard to fire hazard potential of various sealants used to control asbestos emissions.
I-C-8	L. S. Chaput, EPA:ADB, to D. L. Sanders, Threadgill and Smith, October 6, 1977, Regarding standards and guidelines pertaining to sprayed-on asbestos-containing ceilings.
I-C-9	C. Specht, EPA:SDB, to K. K. Jones, Purdue University, December 23, 1977, Regarding safe removal of asbestos-containing building materials and acceptability of various sealants.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHA Review
Category I
Review of Standards
Subcategory I-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-C-10	C. Specht, EPA:SDB, to H. M. Breza, Richard C. Fountain and Associates, January 11, 1978, Discussing asbestos regulations that cover crushed rocks, slate, and talc.
I-C-11	C. Specht, EPA:SDB to E. Raffo Leary and D'Ambrosio, Jan. 27, 1978, Inquiring about EPA's Information source for a statement in the Preamble of the proposed amendments to the asbestos standard which appeared in the Federal Register.

3-17-87

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-1	H. Romer, New York City Department of Air Resources, to G. Wood, EPA:SDED, February 9, 1973, Enclosing requested information on building demolished in New York City between 1968 and 1972 and also information on number and types of buildings completed in 1971.
I-D-2	W. J. Nicholson, Mount Sinai School of Medicine, to D. F. Walters, EPA:OAP, August 27, 1971, Enclosing comments on asbestos NESHAP.
I-D-3	J. W. Rawlings, Union Carbide Corporation, to Environmental Protection Agency, EPA:OAP, March 1, 1972, Commenting on proposed emission standards for asbestos.
I-D-4	E. F. Ferrand, New York City Department of Air Resources, to D. Goodwin, EPA, March 1, 1972, Enclosing final report on asbestos air pollution on New York City.
I-D-5	M. A. Stoltz, New York City Department of Air Resources, to J. U. Crowder, EPA, March 3, 1972, Enclosing pages from New York City Air Pollution Control Code, Local Law #49 regulating the use of asbestos or asbestos-containing material.
I-D-6	P. S. Bettoli, GAF Corporation, to J. Crowder, EPA, March 7, 1972, Commenting on stabilization of mineral waste piles.
I-D-7	J. P. Verhalen, United States Mineral Products Company, to J. F. Middleton, EPA:OAP, March 7, 1972, Apprising of availability of alternate fireproofing which contains no asbestos.
I-D-8	P. S. Bettoli, GAF Corporation, to J. U. Crowder, EPA, March 13, 1972, Enclosing paper on waste pile stabilization: "Reclamation of Mineral Milling Waste."
I-D-9	J. W. Rawlings, Union Carbide Corporation, to Dr. J. T. Middleton, EPA, April 24, 1972, Enclosing table of typical chrysotile asbestos end use applications employing an organic builder.

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I-D-1

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-10	D. W. Jaquays, Jaquays Asbestos Corporation, to G. H. Wood, EPA:SDID, May 1, 1972, Enclosing copy of letter to D. C. Kopich regarding Arizona asbestos.
I-D-11	P. S. Bettoli, GAF Corporation, to G. Wood, EPA:OAP, May 17, 1972, Information on estimated costs for dust control equipment.
I-D-12	T. P. Feit and B. R. Williams, Zonolite Construction Products Division, to D. Slaughter, EPA, May 26, 1972, Summarizing meeting and giving revisions to the original draft of the regulations.
I-D-13	J. D. Doolittle, Johns-Manville Corporation, to G. H. Wood, EPA:SDID, May 31, 1972, Listing of rebuilders involved with debonding.
I-D-14	W. B. Fletcher, Industrial Systems, Inc., to G. H. Wood, EPA:SDID, June 1, 1972, Regarding telephone conversation on brake shoe debonding in the United States.
I-D-15	W. B. Fletcher, Industrial Systems, Inc., to G. H. Wood, EPA:SDID, June 6, 1972, Regarding telephone conversation concerning who performs debonding operations.
I-D-16	J. P. Verhalen, Sprayed Mineral Fiber Manufacturers Association, to J. U. Crowder, EPA:OAP, July 3, 1972, Asking EPA to revert back to the ban on the spraying of any product containing asbestos.
I-D-17	B. R. Williams, Zonolite Construction Products Division, to R. L. Sansom, EPA:AAW, July 7, 1972, Concerning proposed EPA national emission standards for asbestos.
I-D-18	I. J. Selikoff, Mount Sinai School of Medicine, to L. A. Plumlee, EPA: Special Projects Staff, July 14, 1972, Concerning Arizona asbestos workers.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-19	J. U. Crowder, Department of Health Education and Welfare, to E. Z. Finfer, EPA, July 17, 1972, Enclosing partial list of asbestos-containing products which incorporate organic binders.
I-D-20	G. A. O'Conner, Garlock, Inc., to D. R. Goodwin, EPA:SDID, August 7, 1972, Commenting on a new method of fireproofing known as the REFLITE process.
I-D-21	I. J. Selikoff, Mount Sinai School of Medicine, to L. Plumlee, EPA, September 20, 1972, Commenting on the proposed asbestos standard and giving suggestions for evaluation of regulations.
I-D-22	L. E. Moody, H. K. Porter Company, Inc., to G. H. Wood, EPA:HPB, September 27, 1972, Concerning a copy of a lab report about the air permeability in CEM cotton bags used in filtering asbestos dust.
I-D-23	J. H. Rubin, United States Atomic Energy Commission, to J. H. Carroll, EPA, February 2, 1973, Commenting on the proposed final version of the EPA regulations emission standards for asbestos, mercury, and beryllium.
I-D-24	J. F. Reis, Johns-Manville Corporation, to G. Wood, EPA, February 5, 1973, Enclosing copy of Johns-Manville Research and Engineering Center Report No. E411-806 regarding studies of pavements and the release of fiber.
I-D-25	A. N. Rohl, Mount Sinai School of Medicine, to G. Wood, EPA:SDID, February 21, 1973, Concerning types of asbestos-containing materials.
I-D-26	S. H. Lang, L. F. Adamson, and A. Fritsch, Environmental Defense Fund, to W. D. Ruckelshaus, EPA, April 11, 1973, Petitioning for reconsideration and amendment of EPA's emission standard for asbestos.
I-D-27	T. Burke, City of Cincinnati, to R. Dieterle, EPA:AWPSB, April 23, 1973, Enclosing Copy of Cincinnati's asbestos ordinance.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-28	I. J. Selikoff, Mount Sinai School of Medicine, to E. T. Hayes, Bureau of Mines, cc:EPA, May 1, 1973, Commenting on the National Emissions Standard for Asbestos and the Bureau of Mines' responsibility.
I-D-29	I. J. Selikoff, Mount Sinai School of Medicine, to OSHA cc:EPA, May 1, 1973, Listing OSHA's responsibilities in regard to EPA's standards for the emission of asbestos.
I-D-30	S. H. Lang, Environmental Defense Fund, to R. Denney, EPA:AGC, May 18, 1973, Enclosing proposed revisions in the EPA standard for asbestos dust.
I-D-31	J. H. McAlear, EMventions, Inc., to J. R. Farmer, EPA:SDB, May 21, 1973, Commenting on scanning electron microscopy as an effective screening method to detect asbestos.
I-D-32	A. M. Harvey, R. T. Vanderbilt Company, Inc., to J. U. Crowder, EPA:SDID, May 25, 1973, Describing their position on the controversy over the definition of "asbestos."
I-D-33	T. P. Feit, Zonolite Construction Products Division, to J. U. Crowder, EPA, June 15, 1973, Commenting on their procedure to determine the possible occurrence of asbestos in their products.
I-D-34	J. H. Hodgson, Remington Arms Company, Inc., to J. DeSantis, June 26, 1973, Concerning subjectivity to regulations of the national emission standards for hazardous air pollutants.
I-D-35	W. C. Rosenbaum, Carbolite Company, to R. Duprey, EPA:DSSE, July 3, 1973, Commenting on a telephone conversation about their marketing of asbestos-containing fireproof material.
I-D-36	W. R. Rogers, Zonolite Construction Products Division, to EPA, July 5, 1973, Reporting on construction projects where fireproofing material is being sprayed.

EPA Docket No. 0AQPS A-80-47
EPA Project No. 80/41
Asbestos NESHA Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-37	W. M. Henry, Battelle Columbus Laboratories, to R. J. Thompson, EPA:QAEML, July 6, 1973, Enclosing methodologies for the analyses of asbestos in air, water, and water filtrate samples.
I-D-38	A. M. Harvey, R. T. Vanderbilt Company, Inc., to J. Crowder, EPA:SDID, August 9, 1973, Enclosing documents and information regarding talc situation.
I-D-39	A. Goodwin, U.S. Department of the Interior, to G. Wood, EPA, August 17, 1973, Enclosing mine studies and transcript from the Talc Symposium.
I-D-40	R. E. Barnett, Battelle Columbus Laboratories, to R. L. Ajax, EPA:MDAD, October 5, 1973, Enclosing recommendations for the analytical portion of the process-sampling program.
I-D-41	R. K. White, GAF Corporation, to B. Edmonds, EPA, October 9, 1973, Attaching data sheets of special test at GAF's Vermont asbestos mine and milling.
I-D-42	J. C. Murchio, University of California, Berkeley, to E. Anderson, EPA, October 16, 1973, Enclosing report on fiber concentration in EPA samples.
I-D-43	J. C. Murchio, University of California, Berkeley, to E. Anderson, EPA, October 23, 1973, Enclosing report with size distribution samples.
I-D-44	B. Y. Weitzenfeld, Arnstein, Gluck, Weitzenfeld, and Minow, to S. L. Roy, EPA:0AQPS, November 17, 1973, Sending information on the issuance of permits for the demolition of buildings in Chicago.
I-D-45	B. Y. Weitzenfeld, Arnstein, Gluck, Weitzenfeld and Minow, to S. L. Roy, Jr., EPA:0AQPS, November 27, 1973, Enclosing suggested changes in the emission "standard" for asbestos.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-46	B. Y. Weitzenfeld, Arnstein, Gluck, Weitzenfeld, and Minow, to S. L. Roy, Jr., EPA:OAQPS, December 13, 1973, Enclosing estimates of the buildings shown in the various categories covered by letter dated November 17, 1973.
I-D-47	R. E. Heffelfinger, Battelle Columbus Laboratories, to F. Scaringelli, EPA:NAS, January 10, 1974, Enclosing results of analyses of high priority samples K5464 through K5490.
I-D-48	R. E. Heffelfinger, Battelle Columbus Laboratories, to F. Scaringelli, EPA:NAS, February 5, 1974, Enclosing results of analyses of samples K5300 through K5345.
I-D-49	J. F. Reis, Johns-Manville Corporation, to J. U. Crowder, EPA:HPB, March 6, 1974, Commenting on a study by Johns-Manville about the possible freeing of asbestos fibers from the wear of asbestos/asphalt pavement.
I-D-50	J. M. Warren, Environmental Defense Fund, to P. A. Malloy, United States Department of Justice, cc: R. Denney, EPA:AQNRD, April 9, 1974, Confirming agreement to recommend that proposed regulations be published extending the coverage of national emission standards for hazardous air pollutants asbestos, beryllium, and mercury.
I-D-51	C. W. Melton, Battelle Columbus Laboratories, to R. J. Thompson, EPA:DAS, April 30, 1974, Enclosing copies of "Development of an Analytical Method for Chrysotile and Amphibole Asbestos in Spraycoat and Cementitious Materials."
I-D-52	H. L. Weber, Fibreboard, to J. R. Farmer, EPA:OAQPS, May 7, 1974, Responding to questions pertaining to the manufacture and use of corrugated and noncorrugated asbestos paper and molded thermal pipe and boiler insulation.
I-D-53	E. M. Fenner, Johns-Manville Corporation, to J. R. Farmer, EPA:OAQPS, May 8, 1974, Responding to questions pertaining to the manufacture and use of corrugated and noncorrugated asbestos paper and molded thermal pipe and boiler insulation.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-54	E. M. Fenner, Johns-Manville Corporation, to J. R. Farmer, EPA:OAQPS, May 8, 1974, Enclosing technical data sheets on Johns-Manville products presently being manufactured and sold and those no longer being manufactured and sold.
I-D-55	H. A. Berg, Gold Bond Building Products, to S. L. Roy, Jr., EPA:OAQPS, May 14, 1974, Commenting on a questionnaire dealing with asbestos tailing system.
I-D-56	W. H. Engelleitner, Ferro-Tech, Inc., to G. H. Wood, EPA:ESED, June 10, 1974, Enclosing requested information on agglomeration of fine materials and a questionnaire.
I-D-57	W. Canessa, Witco Chemical Corporation, to A. Lee, EPA:ESED, July 1, 1974, Enclosing information concerning COHEREX.
I-D-58	A. W. Rohl, Mount Sinai School of Medicine, to R. J. Thompson, EPA:QAEML, July 12, 1974, Concerning the possibility of detecting low levels of asbestos in substitute sprayed insulation materials.
I-D-59	A. W. Rohl, Mount Sinai School of Medicine, to R. J. Thompson, EPA:QAEML, July 12, 1974, Listing deficiencies about XRD and FM methods of analyzing Mono-Kote for asbestos.
I-D-60	H. F. Collins, California Department of Health, to S. Roy, EPA:SDB, August 30, 1974, Enclosing requested information on California waste management.
I-D-61	W. Canessa, Witco Chemical Corporation, to A. Lee, EPA:SDB, September 6, 1974, Regarding the effect of any soils treated with COHEREX being washed into streambeds or other bodies of water.
I-D-62	C. F. Parks, Dowell--Division of Dow Chemical Company, to A. Lee, EPA:SDB, September 13, 1974, Concerning Dowell products for controlling wind erosion of mine tailings.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-63	S. D. Derimus, United States Department of the Interior, to A. L. Alm, EPA:APM, October 4, 1974, Concerning EPA's position on the need for emission controls at asbestos mill tailings disposal sites.
I-D-64	R. R. Perry, District of Columbia Department of Environmental Services, to D. R. Goodwin, EPA:ESED, December 2, 1974, Commenting on proposed amendments to national emission standards for asbestos and mercury in <u>Federal Register</u> of October 25, 1974.
I-D-65	H. K. Smith, Assistant Secretary of Defense, to A. L. Alm, EPA:OPM, December 2, 1974, Commenting on proposed amendments to standards on control of hazardous emissions of asbestos and mercury.
I-D-66	D. B. Allen, and J. D. Wendlick, Weyerhaeuser Company, to D. R. Goodwin, EPA:ESED, December 2, 1974, Submitting comments on proposed asbestos emission regulations.
I-D-67	J. P. McGinley, Certain-Teed Products Corporation, to D. R. Goodwin, EPA:ESED, December 3, 1974, Commenting on proposed amendment to national emission standards covering disposal of asbestos waste.
I-D-68	J. F. Hunter, BASF Wyandotte Corporation, to D. R. Goodwin, EPA:ESED, December 3, 1974, Commenting on "Proposed amendments to national emission standards--asbestos and mercury."
I-D-69	E. W. Drislane, Friction Materials Standards Institute, Inc., to D. R. Goodwin, EPA:ESED, December 3, 1974, Commenting on proposed amendments to national emission standards for asbestos.
I-D-70	E. M. Fenner, Johns-Manville Corporation, to D. R. Goodwin, EPA:ESED, December 3, 1974, Commenting on proposed amendments to national emission standards for hazardous air pollutants.
I-D-71	F. R. Perry, California Air Resources Board, to D. R. Goodwin, EPA:ESED, December 3, 1974, Commenting on proposed amendments to national emission standards for hazardous air pollutants.

I-D-8

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-72	J. K. Grove, Modoc County Department of Public Works, to D. R. Goodwin, EPA:ESED, December 3, 1974, Commenting on proposed amendment to add asphalt concret plants to the manufacturing operations covered by the promulgated asbestos standard.
I-D-73	J. A. Joines, Modoc County Road Department, to D. R. Goodwin, EPA:ESED, December 3, 1974, Commenting on proposed amendment to add asphalt concrete plants to the manufacturing operations covered by the promulgated asbestos standard.
I-D-74	D. V. Webster, Vermont Agency of Development and Community Affairs, to D. R. Goodwin, EPA:ESED, December 3, 1974, Commenting on proposed amendments to national emission standards for asbestos and mercury.
I-D-75	K. Wright, Modoc County Department of Agriculture, to D. R. Goodwin, EPA:ESED, December 3, 1974, Commenting on proposed amendment to add asphalt concrete plants to manufacturing operations covered by the promulgated asbestos standard.
I-D-76	B. Y. Weitzenfeld and Stanley M. Lipnick, Arnstein, Gluck, Weitzenfeld and Minow, to D. R. Goodwin, EPA:ESED, December 4, 1974, Responding to proposed amendments to national emission standards for hazardous air opllutants."
I-D-77	S. M. Lipnick, Arnstein, Gluck, Weitzenfeld, and Minow, to D. R. Goodwin, EPA:ESED, December 4, 1974, Enclosing copies of comments of National Association of Demolition Contractors, Inc., on proposed amendments.
I-D-78	W. I. Sliger, Butte Creek Rock Company, to D. R. Goodwin, EPA:ESED, December 4, 1974, Expressing opposition to proposed rules concerning asbestos and asphalt plants.
I-D-79	S. Robinson, Robinson Construction Company, to Office of Public Affairs, cc: D. R. Goodwin, EPA:ESED, December 4, 1974, Protesting proposed amendment on asbestos and asphalt plants.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-80	H. G. Walters, Tennessee Office of Urban and Federal Affairs, to D. R. Goodwin, EPA:ESED, December 4, 1974, Commenting on proposed amendments to national emission standards, asbestos and mercury.
I-D-81	M. O. Colwell, Aluminum Company of America, to D. R. Goodwin, EPA:ESED, December 4, 1974, Commenting on proposed amendments to national emission standards for hazardous air pollutants--asbestos and mercury.
I-D-82	B. Y. Weitzenfeld, and S. M. Lipnick, Arnstein, Gluck, Weitzenfeld and Minow, Attorneys at Law, to D. R. Goodwin, EPA:ESED, December 4, 1974. Commenting on proposed amendments to national emission standards for hazardous air pollutants.
I-D-83	L. P. Haxby, Shell Oil Company, to D. R. Goodwin, EPA:ESED, December 4, 1974, Commenting on proposed amendments to national emission standards for asbestos and mercury.
I-D-84	E. N. Helmers, E. I. DuPont de Nemours and Company, to D. R. Goodwin, EPA:ESED, December 4, 1974, Commenting on proposed amendments to national emission standards for hazardous pollutants--asbestos and mercury.
I-D-85	J. C. Stephenson, Union Carbide Corporation, to D. R. Goodwin, EPA:ESED, December 5, 1974, Commenting on proposed amendments to national emission standards on asbestos.
I-D-86	I. H. Weaver, Raybestos-Manhattan, to D. R. Goodwin, EPA:ESED, December 5, 1974, Commenting on proposed amendments to national emission standards on asbestos.
I-D-87	J. M. Warren, Environmental Defense Fund, to D. R. Goodwin, EPA:ESED, December 5, 1974, Commenting on proposed amendments to national emission standards on asbestos and mercury.
I-D-88	W. R. Meyer, Virginia Air Pollution Control Board, to D. R. Goodwin, EPA:ESED, December 5, 1974, Commenting on proposed regulations concerning asbestos and mercury.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-89	D. E. Tungate, Associated General Contractors of California, to D. R. Goodwin, EPA:ESED, December 5, 1974, Commenting on the proposed amendment to national emission standards for asbestos and mercury as reported in the October 25, 1974 issue of the <u>Federal Register</u> .
I-D-90	F. R. Perry, California Air Resources Board, to D. R. Goodwin, EPA:ESED, December 6, 1974, Requesting clarification of NESHAPs regulation making asbestos emission standard applicable to asphalt concrete plants.
I-D-91	E. Cedroni, Metro Water Department, to D. R. Goodwin, EPA:ESED, December 9, 1974, Commenting on proposed amendments to national emission standard for asbestos and mercury.
I-D-92	S. Weissman, to D. R. Goodwin, EPA:ESED, December 9, 1974, Commenting on proposed standards for mercury.
I-D-93	H. J. Halloway, GAF Corporation, to D. R. Goodwin, EPA:ESED, December 11, 1974, Commenting on proposed amendments to national emission standards for hazardous air pollutants.
I-D-94	T. M. Hellman, Allied Chemical, to D. R. Goodwin, EPA:ESED, December 12, 1974, Commenting on proposed amendments to national emissions standards for asbestos.
I-D-95	L. J. Goldwater, Duke University Medical Center, to D. R. Goodwin, EPA:ESED, December 13, 1974, Commenting on proposed amendment to national emission standards for asbestos and mercury.
I-D-96	R. H. Mereness, Asbestos Information Association, to D. R. Goodwin, EPA:ESED, December 13, 1974, Commenting on proposed amendments to national emission standards for hazardous pollutants--asbestos.
I-D-97	D. V. Webster, State of Vermont, Agency of Development and Community Affairs, to R. Strelon, EPA, December 20, 1974, Requesting assistance for information concerning the regulations and operation of the Lowell, Vermont mine.

I-D-11

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-98	S. L. Norwood, Cities Service Company, to P. J. Traina, EPA, December 31, 1974, Requesting information pursuant to Air Pollutant Emission Reports.
I-D-99	W. C. Thurber, Union Carbide Corporation, to J. Farmer, EPA: ESED, February 18, 1975, Enclosing figures and impact of proposed regulations covered in letter dated December 5.
I-D-100	J. F. Martonik, U.S. Department of the Interior, to G. Wood, EPA:ESED, June 17, 1975, Concerning the Metal and Nonmetal Mine Health and Safety asbestos standard.
I-D-101	G. R. Grieger, Walter, C. McCrone Associates, Inc., to Dr. E. I. Goldenthal, International Research and Development, December 18, 1975, Enclosing table regarding weight of particulate matter on filter samples from urban, suburban and country areas.
I-D-102	I. M. Stewart, Walter C. McCrone, Associates, Inc., to G. Wood, EPA:ESED, January 5, 1976, Enclosing summary of methodology for determination of asbestos by transmission electron microscopy.
I-D-103	D. J. Bardin, State of New Jersey, Department of Environmental Protection, to J. Quarles, EPA, November 22, 1976, Discussing asbestos use in the construction of area condominiums.
I-D-104	W. W. Cooney, State of Maryland, Department of Health and Mental Hygiene, to D. Fitzgerald, EPA:Region III, February 25, 1977, Enclosing results of 26 samples (Collected for ambient air asbestos around Rockville Crushed Stone.
I-D-105	W. H. Mortonson, Flintkote Flooring and Industrial Products Division, to Environmental Protection Agency, ESED, March 16, 1977, Attaching test data obtained during spraying fibrated coatings.
I-D-106	R. B. Feuchtbaum, Counselor of Law, to the State of P. Arbesman, Environmental Protection of New Jersey, March 17, 1977, Commenting on asbestos-containing products of being banned by how much asbestos is placed in environment.

I-D-12

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-107	E. S. Wormser, The Gibson-Homaus Company, to D. R. Goodwin, EPA:ESED, April 14, 1977, EPA proposed amendments to asbestos standard.
I-D-108	J. C. Root, Southwest Grease and Oil Co. (Kansas City), Inc., to D. R. Goodwin, EPA:ESED, April 14, 1977, Proposed amendments to asbestos standard.
I-D-109	J. H. MacPherson, Chevron Research Company, to D. R. Goodwin, EPA:SED, April 19, 1977, Proposed amendment to asbestos standard 40 CFR part 61.
I-D-110	L. J. Spillane, Gulf States Asphalt Co., Inc., to D. R. Goodwin, EPA:ESED, April 20, 1977, 25 published in Federal Register, Vol. 42, No. 41, March 2, 1977, and particularly paragraph 61.22(e).
I-D-111	L. Bruckman, Consulting Environmental Engineers, Inc., to Dr. L. Plumbee, EPA:ORD, April 26, 1977, Attaching article regarding ambient air asbestos survey in the State of Connecticut.
I-D-112	R. P. Carter, Johns-Manville Sales Corporation to D. R. Goodwin, EPA:ESED, April 27, 1977, Re: March 2, 1977, Federal register notice proposing to amend the national emission standard for asbestos.
I-D-113	J. T. Mooney, Monsey Products Co., to D. R. Goodwin, EPA:ESED, April 28, 1977, Commenting to the proposed amendments by the Environmental Protection Agency to the Emission Standards for hazardous air-pollutants-asbestos.
I-D-114	B. Y. Weitzenfield, S. M. Lipnick, Arnstein, Gluck, Weitzenfeld and Minow, to D. Goodwin, EPA:ESED, April 29, 1977, Regarding EPA's solicitation comments upon the "Hazardous Air Pollutants Proposed National Emission Standards."
I-D-115	W. P. Ellis, HB Fuller Company, to D. R. Goodwin, EPA:ESED, April 29, 1977, Urging that action to ban spraying of all asbestos-containing material not be taken and enclosing factual information on the proposals and recommendations for changes.

I-D-13

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-116	V. L. Lawson, Texas Refinery Corporation, to D. R. Goodwin, EPA:ESED, April 29, 1977, Asking that the regulation be reworded so that some types of asbestos coatings would not be banned.
I-D-117	Letter, T. M. Moyenhan, British Embassy, to L. Chaput, EPA:ESED, April 29, 1977. Transmitting copy of report entitled "Health hazards from sprayed asbestos coatings in buildings," Health and Safety Commission technical data note 52.
I-D-118	R. J. Connor, National Paint and Coatings Association, to D. R. Goodwin, EPA:ESED, May 2, 1977, Commenting on the proposed amendments and listing certain types of materials that they feel should not be banned.
I-D-119	P. H. Arbesman, New Jersey Department of Environmental Protection, to D. R. Goodwin, EPA:ESED, May 2, 1977, Comments on behalf of New Jersey on the proposed amendment.
I-D-120	H. J. Holloway, GAF Corporation, to D. R. Goodwin, EPA:ESED, May 2, 1977, Commenting on the proposed amendments concerning sprayed material and indicating that certain types should not be banned.
I-D-121	E. W. Abbott, Air Transport Association, to D. R. Goodwin, EPA:ESED, May 2, 1977, Expressing no comments regarding the proposed standards.
I-D-122	F. D. Dennstedt, Exxon Company, USA, to D. R. Goodwin, EPA:ESED, May 2, 1977, Commenting on why they feel industrial facilities such as refineries should be exempted from the amendments to the regulations.
I-D-123	R. H. Mereness, Asbestos Information Association, to D. R. Goodwin, EPA:ESED, May 2, 1977, Submitting comments on the proposal to amend and change the standards governing asbestos.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-124	J. R. West, Koppers, to D. R. Goodwin, EPA:ESED, May 10, 1977, Requesting a revision to proposed amendment to the asbestos standard to exclude spray application of cold process roof coatings.
I-D-125	C. W. Heath, Jr., Department of Health, Education, and Welfare, to L. Chaput, EPA:ESED, May 10, 1977, Enclosing public health recommendations regarding asbestos-spray building materials.
I-D-126	G. O. Voss, State of Minnesota, to D. Costle, EPA, May 12, 1977, Regarding concern with health hazards of the cumming-tonite-gunerite mineral.
I-D-127	H. L. Ross, United States Department of the Interior, D. Goodwin, EPA:ESED, May 12, 1977, Requesting that paints be exempt from regulation.
I-D-128	J. J. Courcier, EPA:Region I, to P. Honchar, Connecticut State Health Department, May 17, 1977, Enclosing information under Section 61.22(d) - Demolitions and Renovations.
I-D-129	E. Bingham, OSHA, to EPA, May 20, 1977, Enclosing an analysis of a report on the fiber content of 80 industrial talc samples obtained from and using OSHA procedures.
I-D-130	D. M. Benforado, 3M Company, to D. R. Goodwin, EPA:ESED, May 24, 1977, Commenting on certain words he felt should be defined in the proposed amendments to the asbestos standard.
I-D-131	P. A. Honchar, Connecticut State Department of Health, to L. Chaput, EPA, May 26, 1977, Enclosing revised copy of asbestos guidelines.
I-D-132	S. S. Gardebring, Minnesota Pollution Control Agency, to D. M. Costle, EPA, June 16, 1977, Urging EPA to promulgate a national standard for contaminant "asbestos."
I-D-133	B. I. Castleman, Environmental Consultant, to D. Hawkins, EPA, June 18, 1977, Commenting on the asbestos problem in Puerto Rico housing units.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-134	J. M. Wehrung, EMV Associates, Inc., to G. H. Wood, EPA:ESED, July 1, 1977, Enclosing part of a proposal submitted to EPA, advocating a two-step method for assessing asbestos in rock and airborne dust.
I-D-135	P. H. Arbesman, New Jersey Division of Environmental Quality, to M. E. Kantz, EPA:AFB, July 19, 1977, Sending a copy of adopted regulations for spray-on asbestos surface coatings and a summary of comments received by the department.
I-D-136	R. H. Collom, Jr., Department of Natural Resources, to G. T. Helms, EPA:Region IV, July 28, 1977, Enclosing memo concerning the existence of Georgia quarries that might contain asbestos.
I-D-137	P. H. Arbesman, New Jersey Division of Environmental Quality, to D. R. Goodwin, EPA:ESED, August 16, 1977, Forwarding additional written testimony submitted as part of the state rulemaking procedure to ban spray-on asbestos surface coatings.
I-D-138	M. Graber, New Jersey Division of Environmental Protection, to L. S. Chaput, EPA:SDB, August 31, 1977, Commenting on a letter from Mr. Harvey regarding the correct definition of asbestos.
I-D-139	J. L. Myers, Calidria Asbestos, to L. S. Chaput, EPA:ESED, August 31, 1977, Confirming telephone conversation on August 30 concerning the proposed wording of an exemption from the spraying prohibition.
I-D-140	J. L. Myers, Calidria Asbestos, to L. S. Chaput, EPA:ESED, September 26, 1977, Concerning the definition of the word "friable."
I-D-141	R. J. Wedlund, Minnesota Pollution Control Agency, to G. Wood, EPA, September 28, 1977, Enclosing comments regarding the provisional methodology manual on electron microscope measurement of airborne asbestos concentrations by IITRI.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-142	G. P. Ferreri, Department of Health and Mental Hygiene, to D. Goodwin, EPA, October 6, 1977, Enclosing copies of proposed regulations pertaining to governing the control of air pollution in the State of Maryland.
I-D-143	R. H. Mereness, Asbestos Information Association, C. Specht, EPA:ESED, November 8, 1977, Enclosing an article regarding sealing or encapsulating certain asbestos containing materials.
I-D-144	E. Smyrloglou, Millipore, to G. H. Wood, EPA:OAQPS, November 10, 1977, Transmitting information about membranes for electron microscopy.
I-D-145	E. W. Gagan, Fisheries and Environment, Canada, to J. Crowder, EPA:SD, December 12, 1977, Enclosing report "Study of Inter-laboratory Count Correlation and Fibre Distribution on Asbestos Stack Samples."
I-D-146	A. M. Harvey, R. T. Vanderbilt Company, Inc., to D. R. Goodwin, EPA:ESED, December 28, 1977, Recommending a definition of silicate minerals designated as asbestos in government regulations.
I-D-147	R. J. Heaney, Kennecott Copper Corporation, to J. A. Eddinger, EPA:ESED, February 2, 1978, Enclosing paper, "Fugitive Dust Control on the Magna Tailing Pond" as presented in ninth annual Intermountain Minerals Conference, Vail, Colorado.
I-D-148	J. M. McFarland, McFarland Wrecking Corporation, to H. M. Jackson, United States Senate, April 24, 1978, Addressing W. Barber's response concerning regulations for demolition of buildings with asbestos insulation.
I-D-149	C. F. Beukema, United States Steel Corporation, to J. Wagman, EPA:ESRL, June 29, 1978, Commenting on analytical methods for airborne asbestos.
I-D-150	I. J. Selikoff, Mount Sinai Medical Center, to J. R. Farmer, EPA:SDB, August 18, 1978, Commenting on EPA still allowing the use of less than 1 percent asbestos.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
I-D-151	R. M. Fisher, R. J. Lee, U.S. Steel Corporation, to J. Wagman, EPA:EMCD, October 11, 1978, Recording understanding of major points discussed at meeting on particulate identification and counting techniques.
I-D-152	J. Thomasian, Energy and Environmental Analysis, Inc., to G. Wood, EPA, June 26, 1979, Memorandum to Joe Tikburt on EEA's use of ISC.
I-D-153	R. J. Lee, United States Steel Corporation, to S. T. Cuffe, EPA:ESED, July 11, 1979, Enclosing documents on provisional methodology of airborne asbestos.
I-D-154	A. Goodwin, U.S. Department of Labor, to G. Wood, EPA:ISB, July 22, 1980, Enclosing report by the U.S. Mine Safety and Health Administration entitled, "Asbestiform and/or Fibrous Minerals in Mines, Mills, and Quarries," (for Attachment see II-I-__).
I-D-155	G. E. Parsons, United Technologies, to Central Docket Section, July 21, 1983, Commenting on proposed amendments.
I-D-156	E. J. Laubusch, The Chlorine Institute, to G. W. Smith, EPA:EDB, August 4, 1983, Commenting on proposed amendments.
I-D-157	F. A. Renninger, National Crushed Stone Association, to EPA:NADCTAC, July 11, 1978, Commenting on background information document.
I-D-158	H. E. Hodges, Tennessee Department of Health and Environment, August 12, 1983, Commenting on proposed amendments.
I-D-159	H. N. Troy, Owens-Illinois, to Central Docket Section, August 29, 1983, Commenting on proposed amendments.
I-D-160	H. Wortreich, State of New Jersey, to Central Docket Section, August 29, 1983, Commenting on proposed amendments.
I-D-161	M. O. Varner, ASARCO, to Central Docket Section, August 31, 1983, Commenting on proposed amendments.

RECEIVED
ENVIRONMENTAL PROTECTION
AGENCY

JAN 20 1987

CENTRAL DOCKET
SECTION

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category I

Review of Standards

Subcategory I-D

Correspondence to EPA from Persons Outside the Agency

Document No.

Description

I-D-162	Standard Oil Company (Indiana), to Central Docket Section, September 2, 1983, Commenting on proposed amendments.
I-D-163	J. M. Lake, County of San Diego on pollution control district, to G. Smith, EPA:SDB, September 6, 1983, Commenting on proposed amendments.
I-D-164	B. Blanchard, U.S. Department of the Interior, to Central Docket Section, September 7, 1983, Commenting on proposed amendments.
I-D-165	T. R. Young, City and County of Denver, Environmental Health Service, September 8, 1983, Commenting on proposed amendments.
I-D-166	A. W. Hadder, VEPCO, to Central Docket Section, September 8, 1983, Commenting on proposed amendments.
I-D-167	L. F. Fikar, Texas Utilities Service, Inc., to Central Docket Section, September 8, 1983, Commenting on proposed amendments.
I-D-168	J. Fite, White Lung Association, to Central Docket Section, September 26, 1983, Commenting on proposed amendments.
I-D-169	D. O. Chelgren, Arizona Department of Health Services, November 14, 1983, Commenting on proposed amendments.
I-D-170	Public Comment Summary - proposed amendments to national emission standards for hazardous air pollutants - asbestos and mercury, 67 pp., undated.
I-D-171	Comments received re: proposed national emission standards for hazardous pollutants (asbestos, beryllium, mercury), Vol. 36, FR pp. 23239, December 7, 1971.
I-D-172	Comments/Letters received on December 7, 1971, for proposed national emission standards for hazardous air pollutants.
I-D-173	Comments received pertaining to proposed national emission standards for asbestos, 1972, 1974, and 1975.

I-D-19

RECEIVED
ENVIRONMENTAL PROTECTION
AGENCY

JAN 20 1987

CENTRAL DOCKET
SECTION

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ENVIRONMENTAL PROTECTION
AGENCY

JAN 20 1987

CENTRAL DOCKET
SECTION

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category I

Review of Standards

Subcategory I-D

Correspondence to EPA from Persons Outside the Agency

Document No.

Description

I-D-174	J. D. Felder, Monsanto Industrial Chemicals, Co., to H. Wortreich, EPA:BAPC, Trenton, N. J., February 10, 1977, Providing comments on proposed sub-chapter 17.
I-D-175	C. Specht, EPA:SDB, to S. Kawaller, Carboline Protective Coatings, Concerning use of various sealants to control asbestos emissions which may present a fire hazard.
I-D-176	W. P. Ellis, H. B. Fuller Company, to J. T. Repasch, EPA:OTS, Commenting about the ANPRM for asbestos-containing materials in school buildings, (40 CFR CH. 1, FRL 1298-3; OT561004), October 31, 1980.

RECEIVED
ENVIRONMENTAL PROTECTION
AGENCY

3-19-87

SECT

I-D-20

36

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
I-E-1	National Air Pollution Advisory Committee, March 14-15, 1972, Minutes of meeting.
I-E-2	J. U. Crowder, EPA, to D. R. Goodwin, SDID, May 30, 1972, Summary of meeting with representatives of W. R. Grace Company to discuss asbestos regulations applicable to spraying operations.
I-E-3	Author unknown, July 25, 1972, Record of meeting with representatives of R. T. Vanderbilt Chemical Company.
I-E-4	G. H. Wood, EPA:ESED, to P. Schuerle, Owens-Corning Fiberglass Corp., August 18, 1972, Telecon regarding Kaylo production at Berlin Plant and possible tour of facilities.
I-E-5	G. H. Wood, EPA:ESED, to S. Thomas, Owens-Corning Fiberglass Corp., Toledo office, August 22, 1972, Telecon regarding OCF's use of asbestos.
I-E-6	G. H. Wood, EPA:ESED, to A. Hooker, Flintkote, August 21, 1972, Telecon regarding asbestos manufacturing at a number of Flintkote facilities.
I-E-7	G. H. Wood, EPA:ESED, to J. K. Whittaker, Nicolet Industries, Incorporated, August 29, 1972, Telecon regarding paper drier exhausts, processing at Nicolet, and tour.
I-E-8	G. H. Grubbs, EPA:DSSE, to T. R. Osag, EPA:ESED, May 31, 1973, Summary of telephone survey regarding manufacturers of asbestos spray-applied insulating and fireproofing products.
I-E-9	A. Lee, EPA, to files, November 9, 1973, Telecon with Colin Harwood, IITRI, regarding control practices at asbestos mines and mills.
I-E-10	A. Lee, EPA, to files, November 16, 1973, Telecon with S. Mandell, National Wrecking Company, concerning building demolition.

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category I

Review of Standards

Subcategory I-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
I-E-11	A. Lee, EPA:ESED, to files, December 7, 1973, Telecon with B. Weitzenfeld, NADC, concerning number of demolition permits issued in Chicago in 1972.
I-E-12	S. L. Roy, Jr., EPA:ESED, to files, March 20, 1974, Telecon with S. Mandell, NADC, with regard to building demolition practices.
I-E-13	A. Lee, EPA, to files, April 25, 1974, Summary of telecons with manufacturers of corrugated asbestos paper insulation and asbestos molded pipe insulation.
I-E-14	Minutes of meeting, National air pollution control techniques advisory committee, May 21-22, 1974.
I-E-15	A. Lee, EPA:SDB, to files, May 24, 1974, Telephone communication with A. Tiuze of Quebec.
I-E-16	S. L. Roy, Jr., EPA:SES to files, June 20, 1974, Telephone conversation with AEC about asbestos emissions from power plant cooling towers.
I-E-17	S. L. Roy, Jr., EPA:SDB, to files, July 17, 1974, Telecon concerning installation of asbestos paper insulation.
I-E-18	A. Lee, EPA:ESED, to files, July 29, 1974, Summary of telecons concerning installation of asbestos paper insulation.
I-E-19	N. R. Swanson, EPA:SDB, to files, October 3, 1974, Telecon with Mr. Stowe regarding asbestos-asphalt batch operation.
I-E-20	N. R. Swanson, EPA:SDB, to files, October 7, 1974, Telecon with A. Stanley, Idaho Division of Highways, regarding asbestos-asphalt batch operation.
I-E-21	N. R. Swanson, EPA:SDB, to files, October 8, 1974, Telecon with J. Reis, Johns-Manville Corporation, regarding possible asbestos-asphalt batch operations.

I-E-2

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category I

Review of Standards

Subcategory I-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
I-E-22	N. R. Swanson, EPA:SDB, to files, October 10, 1974, Telecon with Mr. Haney, Jet Asphalt Company, regarding asbestos-asphalt batch operations.
I-E-23	N. R. Swanson, EPA:SDB, to files, October 10, 1974, Telecon with J. Reis, Johns-Manville Corporation, regarding sites for asbestos-asphalt batch operations.
I-E-24	N. R. Swanson, EPA:SDB, to files, October 10, 1974, Telecon with H. Taylor, Philadelphia Airport, about asbestos-asphalt paving.
I-E-25	N. R. Swanson, EPA:SDB, to files, October 17, 1974, Telecon with Haney, Jet Asphalt Company regarding asbestos-asphalt operations.
I-E-26	N. R. Swanson, EPA:SDB, to files, October 22, 1974, Telecon with R. Walters, Idaho EPA, regarding asbestos-asphalt operations.
I-E-27	N. R. Swanson, EPA:SDB, to files, October 24, 1974, Telecon with H. Taylor, Philadelphia Airport, about asbestos-asphalt batch operation.
I-E-28	S. L. Roy, Jr., EPA:RPS, to J. U. Crowder, EPA:RPS, November 15, 1974, Summary of meeting with Johns-Manville on NESHAP amendments.
I-E-29	N. R. Swanson, EPA:SDB, to files, November 21, 1974, Telecon regarding tar-rubber-asbestos paving mixture.
I-E-30	S. L. Roy, Jr., EPA:RPS, to J. U. Crowder, EPA:RPS, December 11, 1974, Summary of meeting with GAF Corporation concerning proposed amendments to NESHAPs.
I-E-31	S. L. Roy, Jr., EPA:SDB, to files, December 16, 1974, Telecon with D. Eldred, GAF Corporation, concerning asbestos tailings disposal.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
I-E-32	S. L. Roy, Jr., EPA:SDB, to files, December 16, 1974, Telecon with E. Gagan, Canadian Environmental Protection Service, concerning wet tailings disposal.
I-E-33	S. L. Roy, Jr., EPA:SDB, to files, December 17, 1974, Telecon with J. Christian, Cassiar Asbestos Corporation, concerning asbestos tailings disposal.
I-E-34	S. L. Roy, Jr., EPA:SDB, to files, December 17, 1974, Telecon with R. O. Munn, Vermont Department of Highways, concerning unpaved roads.
I-E-35	N. R. Swanson, EPA:RPS, to files, December 20, 1974, Telecon regarding water pollution aspects of chemical dust suppression agents.
I-E-36	N. R. Swanson, EPA:SDB, to files, January 7, 1975, Telecon with S. Robinson, Robinson Construction Company, concerning NESHAPs amendments comment.
I-E-37	S. L. Roy, Jr., EPA:SDB, to files, January 14, 1975, Telecon with R. Clifton, Bureau of Mines, concerning national asbestos stockpile.
I-E-38	N. R. Swanson, EPA:SDB, to files, January 24, 1975, Summary of telecons with various companies concerning cold weather operation of tailings wetting systems.
I-E-39	N. R. Swanson, EPA:SDB, to files, January 27, 1975, Telecon with Mr. Aarons, Johnson-March Corporation, regarding cold weather operation of tailings wetting systems.
I-E-40	N. R. Swanson, EPA:SDB, to files, January 27, 1975, Telecon with J. Berry, Cassiar Asbestos Corporation, regarding cold weather operation of tailings wetting systems.
I-E-41	N. R. Swanson, EPA:SDB, to files, January 27, 1975, Telecon with J. McPherson, Cassiar Asbestos Mill, regarding cold weather operation of tailings wetting systems.

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category I

Review of Standards

Subcategory I-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
I-E-42	N. R. Swanson, EPA:RPS, to files, February 11, 1975, Telecon with M. W. Slezak, British Columbia Provincial Agency, concerning Canadian data on Cassiar Asbestos Mill.
I-E-43	N. R. Swanson, EPA:SDB, to files, February 11, 1975, Telecon with Mr. Browf, Bureau of Mines, regarding the water pollution aspects of chemical dust suppression agents.
I-E-44	N. R. Swanson, EPA:RPS, to files, March 25, 1975, Telecon with Nicholson, Mt. Sinai Medical Center, concerning asbestos emissions--stripping of insulation.
I-E-45	N. R. Swanson, EPA:RSP, to files, April 10-15, 1975, Telephone conversation with A. Pattnaik, Franklin Institute Research Laboratory, and concerning asbestos emissions: demolition.
I-E-46	J. Crowder, EPA:RPS, to files, April 22, 1975, Telecon with D. Doblein, NIOSH, concerning NIOSH study of asbestos stripping operations.
I-E-47	S. L. Roy, Jr., EPA:RPS, to files, May 30, 1975, Telecon with L. Guess, City of Durham, concerning acceptance of waste by municipal landfills.
I-E-48	R. L. Rhodes, EPA:OTS, to files, October 1, 1976, Summary of meeting to discuss asbestos associated with serpentine mining at Rockville Crushed Stone Quarry.

3-20-87

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-F
Transcript of Hearings

<u>Document No.</u>	<u>Description</u>
I-F-1	Public hearing transcript, Environmental Protection Agency, National emission standards for hazardous air pollutants, New York, January 28, 1972.
I-F-2	Public hearing transcript, Environmental Protection Agency, Los Angeles, California, National emission standards for hazardous air pollutants, February 15-16, 1972, 615 pp.
I-F-3	Public hearing, Environmental Protection Agency, Los Angeles, California, Hazardous air pollutants--statements used at hearing, February 15-16, 1972.
I-F-4	Statements received at public hearing for national emission standards for hazardous air pollutants, Los Angeles, California, 1972.

3-30-87

RECEIVED
ENVIRONMENTAL PROTECTION
AGENCY

JAN 20 1987
CENTRAL DOCKET
SECTION

I-F-1

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

<u>Document No.</u>	<u>Description</u>
I-I-1	A comparison of asbestos fibers with synthetic crystals known as "whiskers," James S. Walker, Tibor Zoltai, undated.
I-I-2	A tentative method for determination of asbestos fiber in ambient air, W. M. Henry, C. W. Melton, and R. E. Heffelfinger, undated.
I-I-3	Amphibole fiber concentration determination for a series of community air samples: use of X-ray diffraction to supplement electron microscope analysis, P. M. Cook et al., Electron microscopy and X-ray applications, undated.
I-I-4	Amphibole mineral fiber analysis by electron microscopy: comparison of sample preparation procedures, Electron microscopy and X-ray applications, undated.
I-I-5	ASTM definition of industrial talc, Descriptive Mineralogy, undated.
I-I-6	Study of the effect of asbestos waste piles, on ambient air, C. F. Harwood, M. Stinson, and P. Ase, undated.
I-I-7	Brochure, Recommended work practices--fabrication and use of asbestos friction materials, Asbestos Information Association, undated.
I-I-8	Brochure, Recommended work practices--molding and fabrication of asbestos-containing plastic products, Asbestos Information Association, undated.
I-I-9	Brochure, Recommended work practices--shop and field fabrication of asbestos sheet products, Asbestos Information Association, undated.
I-I-10	Brochure, Recommended work practices--use and handling of asbestos textile products, Asbestos Information Association, undated.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

<u>Document No.</u>	<u>Description</u>
I-I-11	Cleaning gases at high temperatures: abstract, W. Strauss, and W. M. Thring, Abstracts from current literature, undated.
I-I-12	Control and safety guide--No. 3--stripping and fitting of asbestos-containing thermal insulation materials, The Asbestosis Research Council, undated.
I-I-13	Control of asbestos fiber emissions from industrial and commercial sources, W. B. Reitze et al., undated.
I-I-14	Critique of "Provisional Methodology Manual on Electron Microscope Measurement of Airborne Asbestos Concentrations," R. J. Lee and D. M. Scott, U.S. Steel Corporation, undated.
I-I-15	Demolition of buildings, Chicago Department of Environmental Control, undated.
I-I-16	Structural integrity during fire; chapter 5, In: fire protection handbook, 15th ed., National Fire Protection Association, undated.
I-I-17	Developments in dust sampling and counting techniques in the asbestos industry, Turner Brothers Asbestos Company, Limited, and Asbestosis Research Council, undated.
I-I-18	Development of a method for sampling and determination of asbestos in ambient air (draft), R. E. Heffelfinger et al., undated.
I-I-19	Development of improved asbestos reinforced phenolic insulating composites (optimization of physical properties as a function of molding technique and post cure conditions, L. M. Hedges, undated.
I-I-20	Evaluation of automobile brake drum cleaning methods, A study of asbestos exposures, Thomas Lemmons et al., undated.
I-I-21	High gradient magnetic separation, Henry Kolm, Jonn Oberteuffer, and David Kelland, undated.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

<u>Document No.</u>	<u>Description</u>
I-I-22	Inorganic insulations for high voltage dry type transformers, M. W. Eisele, Proceedings of the Electr./Electron Insul. Conf. 13th IEEE, undated.
I-I-23	Measurement of airborne asbestos dust by instruments measuring different parameters, S. A. Roach, London School of Hygiene and Tropical Medicine, undated.
I-I-24	Measurement of asbestos in ambient air, Final report, contract CPA 70-92, undated.
I-I-25	Post-abatement evaluation studies, L. Laird and D. Lentzen, RTI, undated.
I-I-26	Rapid, automatic particle analysis in the subsieve range, J. P. Olivier and G. K. Hickin, undated.
I-I-27	The detection and identification of asbestos and asbestiform materials in talc, H. D. Stanley and R. E. Norwood, Pfizer, Incorporated, undated.
I-I-28	The identification of asbestos using electron optical techniques, Electron microscopy and X-ray applications, undated.
I-I-29	The method used by the U.S. Public Health Service for enumeration of asbestos dust on membrane filters, G. H. Edwards and J. R. Lynch, United States Department of Health, Education, and Welfare, undated.
I-I-30	Transmission electron microscopic method for chrysotile, Bureau of Mines, undated.
I-I-31	Toxic air pollutants--state-of-the-art report concerning: asbestos, G. Guzikowski, National Swedish Environment Protection Board, undated.
I-I-32	The use of transmission electron microscopy for detecting low levels of asbestos in air, liquids, and solids, title, author, date, unknown.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

<u>Document No.</u>	<u>Description</u>
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
 EPA Project No. 80/41
 Asbestos NESHAP Review
 Category I
 Review of Standards
 Subcategory I-I
 Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHA Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

<u>Document No.</u>	<u>Description</u>
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

<u>Document No.</u>	<u>Description</u>
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

<u>Document No.</u>	<u>Description</u>
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Project No. 80/41
Asbestos NESHA Review
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
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Subcategory I-I
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EPA Project No. 80/41
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Subcategory I-I
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
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Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
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Category I
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Subcategory I-I
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
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Subcategory I-I
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-I
Background Information

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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
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Review of Standards
Subcategory I-I
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
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Subcategory I-I
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
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Subcategory I-I
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4-9-87

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
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Subcategory I-J
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I-J-5	40 FR 1874, January 9, 1975, Asbestos effluent limitations and guidelines: final rules.
I-J-6	40 FR 2352, January 10, 1975, Asbestos effluent limitations and guidelines: proposed rules for paving and roofing materials (tars and asphalt).
I-J-7	40 FR 48292, October 14, 1975, Final national emission standards for hazardous air pollutants: final amendments to standards for asbestos and mercury.
I-J-8	42 FR 12122, March 2, 1977, National emission standards for hazardous air pollutants: proposed amendments to asbestos standard.
I-J-9	42 FR 12127, March 2, 1977, National emission standards for hazardous air pollutants: final amendment to asbestos standard.
I-J-10	42 FR 58543, November 10, 1977, National emission standards for hazardous air pollutants: advance notice of proposed rulemaking for development of asbestos standard for the production and use of crushed stone.

RECEIVED
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AGENCY

JAN 20 1987
CENTRAL DOCKET
SECTION

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category I
Review of Standards
Subcategory I-J
Miscellaneous Federal Register Notices
Published During Proposal Development

<u>Document No.</u>	<u>Description</u>
I-J-11	42 FR 26372, June 19, 1978, National emission standards for hazardous air pollutants: final amendments to asbestos standard.
I-J-12	36 FR 23239, National emission standards for hazardous air pollutants (asbestos, beryllium and mercury), Environmental Protection Agency, December 7, 1971.
I-J-13	37 FR 466, Standard for exposure to asbestos dust, notice of proposed rulemaking, Department of Labor, January 12, 1972.
I-J-14	38 FR 8820, Part 61 - national emission standards for hazardous air pollutants (asbestos, beryllium, and mercury), April 6, 1973.
I-J-15	40 FR 47652, Occupational exposure to asbestos, notice of proposed rulemaking, Department of Labor, October 9, 1975.
I-J-16	Title 49 - Transportation, Chapter 1 - Research and special programs administration, Department of Transportation, Transportation of asbestos, December 4, 1978.
I-J-17	Control techniques document; assessment and control of chrysotile asbestos emissions from unpaved roads, August 26, 1981.
I-J-18	48 FR 32126, National emissions standards for hazardous air pollutants; proposed amendments to asbestos standard, part II.

3-20-87

I-J-2

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
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Subcategory II-A
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<u>Document No.</u>	<u>Description</u>
II-A-1	Control techniques for particulate air pollutants, National Air Pollution Control Administration, publication no. AP-51, January 1969. 215 pp.
II-A-2	National inventory of sources and emissions: cadmium, nickel, and asbestos--1968; W. E. Davis and Associates, prepared for National Air Pollution Control Administration, NAPA contract no. CPA-22-69-131, February 1970, 52 pp.
II-A-3	Sanitary landfill design and operation, Brunner, D. R., and D. J. Keller, EPA:OSW, EPA publication on. SW-65ts, 1972, 59 pp.
II-A-4	Control techniques for asbestos air pollutants, EPA:OAQPS, EPA publication no. AP-117, February 1973, 87 pp.
II-A-5	Background information on development of national emission standards for hazardous air pollutants: asbestos, beryllium, and mercury, EPA:OAQPS, EPA publication no. APTD-1503, March 1973, 97 pp.
II-A-6	Development document for effluent limitations guidelines and new source performance standards for the building, construction and paper segment of the asbestos manufacturing point source category, EPA:OAWP, EPA-440/1-74-017a, February 1974, 135 pp.
II-A-7	Economic analysis of proposed effluent guidelines: the asbestos product manufacturing industry, EPA:OPA, EPA-230/1-74-030, July 1974, 46 pp.
II-A-8	Characterization and control of asbestos emissions from open sources, ITT Research Institute, prepared for EPA: NERC, EPA contract no. 68-02-1348, EPA-650/2-74-090, September 1974, 203 pp.
II-A-9	Assessment of particle control technology for enclosed asbestos sources: phase I, IIT Research Institute, prepared for EPA:ORD EPA contract no. 68-02-1353, EPA-650/2-74-088, October 1974, 126 pp.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-A
EPA Studies and Contractor Reports

<u>Document No.</u>	<u>Description</u>
II-A-10	Background information on national emission standards for hazardous air pollutants: proposed amendments to standards for asbestos and mercury, EPA:OAQPS, EPA-450/2-74-009a, October 1974, 140 pp.
II-A-11	Base line forecasts of resource recovery: 1972 to 1990, Midwest Research Institute, prepared for EPA: OSW, NTIS no. PB-245-924, March 1975, pp. 17-32.
II-A-12	Economic analyses of effluent guidelines for the textiles, friction, and sealing materials segment of the asbestos manufacturing industry, Arthur D. Little, Inc., prepared for EPA:OPPE, EPA-230/2-74-030, July 1975, 61 pp.
II-A-13	Assessment of particle control technology for enclosed asbestos sources: phase II, IIT Research Institute, prepared for EPA:ORD, EPA contract no. 68-02-1353, EPA-600/2-76-065, March 1976, 125 pp.
II-A-14	Field testing of emission controls for asbestos manufacturing waste piles, IIT Research Institute, prepared for EPA:ORD, EPA contract no. 68-02-1872, EPA-600/2-77-098, May 1977, 135 pp.
II-A-15	Sprayed asbestos-containing materials in buildings: a guidance document, GCA Corporation and Yale University, prepared for EPA:OAQPS, EPA contract no. 68-02-2607, EPA-450/2-78-014, March 1978.
II-A-16	Standards support document: promulgated amendments to the national emission standard for asbestos, EPA:OAQPS, EPA-450/2-77-030, June 1978, 20 pp.
II-A-17	Chemical market input/output analysis of selected chemical substances to assess sources of environmental contamination: asbestos, Syracuse Research Corporation, prepared for EPA:OTS, EPA contract no. 68-01-3224, EPA-560/6-78-005, August 1978, 323 pp.
II-A-18	Asbestos-containing materials in school buildings: a guidance document--part I, EPA:OTS, EPA-C00090, March 1979, 64 pp.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-A
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<u>Document No.</u>	<u>Description</u>
II-A-19	Asbestos-containing materials in school buildings: a guidance document--part II, EPA:OTS, EPA-C00090, March 1979, 133 pp.
II-A-20	Estimates of secondary materials supply from municipal solid wastes: a process analysis, Research Triangle Institute, prepared for EPA:OSW, EPA contract no. 68-01-3267, April 1979, 114 pp.
II-A-21	Demolition and renovation: cost of complying with EPA asbestos regulations, The Research Corporation of New England, prepared for USEPA, EPA contract no. 68-01-4145, August 1979, 89 pp.
II-A-22	U.S. asbestos paper industry and substitutes for asbestos paper and asbestos brake linings (draft), Syracuse Research Corporation, prepared for EPA:OTS, EPA contract no. 68-02-2607, September 1979, 72 pp.
II-A-23	Scrubber emissions correlation, Engineering-Science, prepared for EPA:SSSED, EPA contract no. 68-02-4146, December 1979, 21 pp.
II-A-24	Evaluation of a commercial vacuum system for the removal of asbestos, IIT Research Institute, prepared for EPA:ORD, EPA contract no. 68-02-2617, EPA-600/2-80-088, May 1980, 79 pp.
II-A-25	Technical and economic analyses of substitutes for certain asbestos products (draft final), PEDCo Environmental, Inc. and Research Triangle Institute, October 1980, 73 pp.
II-A-26	Optimizing baghouse performance to control asbestos manufacturing source emissions, IIT Research Institute, EPA:IERL, EPA contract no. 68-03-2558, October 24, 1980, 64 pp.
II-A-27	Evaluation of encapsulants for sprayed-on asbestos-containing materials in buildings, (draft final), Battelle Columbus Laboratories, prepared for EPA:IERL, July 1981, pp. 51.
II-A-28	Solid waste data: a compilation of statistics on solid waste management within the United States, JRB Associates, prepared for EPA:OSW, EPA contract no. 68-01-6000, August 1981, 73 pp.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
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Subcategory II-A
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<u>Document No.</u>	<u>Description</u>
II-A-29	Evaluation of asbestos removal technologies, PEDCo Environmental, Inc., prepared for EPA:IERL, EPA contract no. 68-02-3173, November 1981, 119 pp.
II-A-30	Feasibility of developing source sampling methods for asbestos emissions, Battelle Columbus Laboratories, EPA contract no. 68-02-3169, January 1982, 69 pp.
II-A-31	Asbestos substitute performance analysis, GCA Corporation, prepared for EPA:OPTS, EPA Contract no. 68-02-3168, February 1982, 320 pp.
II-A-32	Overview of the status of breaking or modifying (repairing) of ships containing asbestos, G. S. Reichenbach, Research Triangle Institute, July 15, 1982, 89 pp.
II-A-33	Asbestos in public and commercial buildings (draft final), GCA Corporation, prepared for EPA:OPTS, EPA contract no. 68-01-5960, August 1982, 156 pp.
II-A-34	Economic impact analysis of controls on asbestos and asbestos products: vol. I, Research Triangle Institute, prepared for EPA:OPTS, September 1982, 324 pp.
II-A-35	Guidance for controlling friable asbestos-containing materials in buildings, EPA:OPTS, EPA-560/5-83-002, March 1983, 75 pp.
II-A-36	Cost and performance models for electrostatically stimulated fabric filtration, Research Triangle Institute, prepared for U.S. Environmental Protection Agency, November 1983.
II-A-37	Asbestos products and their substitutes; appendix C, ICF Incorporated, prepared for Research Triangle Institute, December 23, 1983, 260 pp.
II-A-38	Aggregate statistics from the Toxic Substances Control Act asbestos reporting rule, GCA Corporation, EPA contract no. 68-01-5960, January 1984, 16 pp.
II-A-39	Exposure assessment for asbestos (draft final), Versar, Inc., prepared for EPA:OTS, EPA contract no. 68-01-6271, January 1984, 282 pp.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-A
EPA Studies and Contractor Reports

<u>Document No.</u>	<u>Description</u>
II-A-40	Production cost equations and supply parameters for selected asbestos product model plants: phase II, PEDCo Environmental, Inc., EPA contract no. 68-02-3935, March 1984, 164 pp.
II-A-41	Asbestos in buildings: a national survey of asbestos-containing friable materials, EPA:OTS, EPA-560/5-84-006, October 1984, 235 pp.
II-A-42	Asbestos waste management guidance, EPA:OSW, EPA/530-SW-85-007, May 1985, 32 pp.
II-A-43	Operation and maintenance of particulate control devices on selected steel and ferroalloy processes, M.F. Szabo and R. W. Gerstle, PEDCo Environmental Inc., no. 68-02-2105, EPA-600/2-78-037, December 1978.
II-A-44	Operation and maintenance manual for fabric filters, by PEI Associates, Inc., Contract no. 68-02-3919, December 1984.
II-A-45	Mineral Commodity Summaries, 1986, U.S. Department of the Interior.

4-16-87

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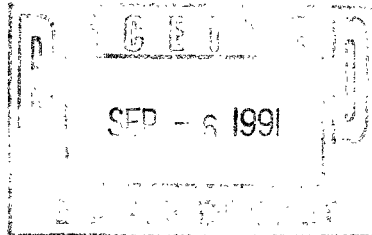
CENTRAL DOCKET
SECTION

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-A
EPA Studies and Contractor Reports

<u>Document No.</u>	<u>Description</u>
II-A-40	Production cost equations and supply parameters for selected asbestos product model plants: phase II, PEDCo Environmental, Inc., EPA contract no. 68-02-3935, March 1984, 164 pp.
II-A-41	Asbestos in buildings: a national survey of asbestos-containing friable materials, EPA:OTS, EPA-560/5-84-006, October 1984, 235 pp.
II-A-42	Asbestos waste management guidance, EPA:OSW, EPA/530-SW-85-007, May 1985, 32 pp.
II-A-43	Operation and maintenance of particulate control devices on selected steel and ferroalloy processes, M. F. Szabo and R. W. Gerstle, PEDCo Environmental Inc., no. 68-02-2105, EPA-600/2-78-037, December 1978.
II-A-44	Operation and maintenance manual for fabric filters, by PEI Associates, Inc., Contract no. 68-02-3919, December 1984.
II-A-45	Mineral Commodity Summaries, 1986, U.S. Department of the Interior.
II-A-46	Solid waste landfill design and operation practices; draft, contract no. 68-01-3915, EPA:OSW, April 1981.
II-A-47	Continued evaluation of asbestos removal technologies and recommended specifications for negative-pressure systems, by PEDCo Environmental, Inc., contract no. 68-02-3173, April 1982.
II-A-48	Evaluating cover systems for solid and hazardous waste, R. J. Lutton, interagency agreement no. EPA-IAG-07-01097, September 1982.
II-A-49	Covers for uncontrolled hazardous waste sites, EPA:HWERL, EPA/540/2-85/002, September 1985.
II-A-50	Wastes from the extraction and beneficiation of metallic ores, phosphate rock, asbestos, overburden from uranium mining, and oil shale, Report to Congress, EPA/530-SW-85-033, December 31, 1985.

EPA Docket No. A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
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Subcategory II-A
EPA Studies and Contractor Reports

<u>Document No.</u>	<u>Description</u>
II-A-51	Development document for effluent limitations guidelines and new source performance standards for the textile, friction materials and sealing segment of the asbestos manufacturing point source category, EPA:EGD, EPA-440/174-035a, December 1974, 91 pp.
II-A-52	Economic analysis of effluent guidelines: the textiles, friction and sealing materials segment of the asbestos manufacturing industry, A. D. Little, Incorporated, prepared for EPA:OPP, EPA-230/2-74-030, July 1975, 62 pp.



EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-B
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<u>Document No.</u>	<u>Description</u>
II-B-1	A. Lee, EPA, to Files, January 8, 1974, Memorandum regarding demolition by explosives.
II-B-2	L. A. Conrad, Research Triangle Institute, to J. Copeland, EPA, December 8, 1980, Trip report: Interscience Research/ University of North Carolina seminar entitled "Practical asbestos control, a seminar for contractors."
II-B-3	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, February 3, 1981, Trip report: initial plant visit to Southern Textile Corporation, Charlotte, North Carolina.
II-B-4	G. H. Wood, EPA:ESED, to A. Eastham, EPA:DSSE, March 24, 1981, Memorandum regarding equivalency of Seagull Environmental Company control device for asbestos.
II-B-5	L. Conrad, Research Triangle Institute, to J. Copeland, EPA:ISB, April 1, 1981, Trip report: visit to LCP Chemicals, Solvay, New York.
II-B-6	L. Conrad, Research Triangle Institute, to J. Copeland, EPA:ISB, April 10, 1981, Trip report: visit to Calaveras Asbestos, Copperopolis, California.
II-B-7	L. Conrad, Research Triangle Institute, to J. Copeland, EPA:ISB, April 16, 1981, Trip report: visit to Union Carbide Corporation, King City, California.
II-B-8	L. Conrad, Research Triangle Institute, to J. Copeland, EPA:ISB, April 30, 1981, Johns-Manville Corporation, Denison, Texas.
II-B-9	L. Conrad, Research Triangle Institute, to J. Copeland, EPA:ISB, May 6, 1981, Trip report: visit to GAF Corporation, Whitehall, Pennsylvania.
II-B-10	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, June 1, 1981, Trip report: visit to Johns-Manville Corporation, Waukegan, Illinois (see attached note to confidential file).

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-11	M. Laney, Research Triangle Institute, to C. Seely, EPA:Region IX, August 13, 1981, Memorandum requesting information on enforcement activities associated with asbestos NESHAP.
II-B-12	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, October 14, 1981, Trip report: visit to Bendix Corporation, Cleveland, Tennessee.
II-B-13	M. Laney, Research Triangle Institute, to Asbestos record, December 10, 1981, Trip report: demonstration of asbestos removal method aboard USS St. Louis, San Diego.
II-B-14	L. Conrad, Research Triangle Institute, to J. Copeland, EPA:ISB, July 30, 1982, Trip report: visit to W. W. Nash & Sons, Inc., Richmond, Virginia.
II-B-15	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, July 30, 1982, Trip report: visit to Wayne County Health Department, Detroit, Michigan.
II-B-16	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, July 30, 1982, Trip report: visit to Little Creek Amphibious Base, Norfolk, Virginia.
II-B-17	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, August 13, 1982, Trip report: visit to Fountain Avenue Landfill, New York City Department of Sanitation, New York City, New York.
II-B-18	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, August 23, 1982, Trip report: visit to Kent County Memorial Hospital, Windsor Locks, Rhode Island.
II-B-19	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, August 18-20, 1982, Trip report site visits to oil drilling rigs in Oklahoma City, Oklahoma.
II-B-20	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, September 20, 1982, Trip report: visit to Demolition Jobs in New York, New York.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-21	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, September 27, 1982, Trip report: Asbestos Information Association/North America: seventh industry government conference.
II-B-22	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, October 4, 1982, Trip report: visit to SCA Chemical Services, Inc., Pinewood, South Carolina.
II-B-23	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, October 4, 1982, Trip report: visit to drilling and mixing plants, Lafayette, Louisiana.
II-B-24	J. Copeland, EPA:ISB, to G. Wood, EPA:SDB, October 7, 1982, Memorandum regarding ballpark estimates for asbestos removal and waste disposal.
II-B-25	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, October 11, 1982, Memorandum regarding status of NESHAP in Arizona, California, Vermont, New Hampshire, New York, Massachusetts, Rhode Island, and Connecticut.
II-B-26	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, November 16, 1982, Trip report: visit to Broughton Hospital, Morganton, North Carolina.
II-B-27	A. A. Galli, EPA:OEPR, to addressees, December 6, 1982, Review of OECD technical documents.
II-B-28	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, December 6, 1982, Memorandum regarding state regulation of use of asbestos tailings on roadways.
II-B-29	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, December 8, 1982, Trip report: visit to U.S. Marine Corps Air Station, Cherry Point, North Carolina.
II-B-30	L. Conrad, Research Triangle Institute, to J. Copeland, EPA:ISB, January 17, 1983, Trip report: visit to Murdoch Center, Butner, North Carolina.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-31	L. Conrad, Research Triangle Institute, to Asbestos Files, March 29, 1983, Trip report: visit to Wichita Public Schools, Wichita, Kansas.
II-B-32	W. C. Cain, EPA:IERL, to J. O. Copeland, EPA:ISB, June 17, 1983, Memorandum regarding transmittal of draft final report, "Evaluation of encapsulants for sprayed-on asbestos-containing materials in buildings" (for enclosure, see II-A-27).
II-B-33	C. J. Holden, Research Triangle Institute, to J. Copeland, EPA:ISB, October 20, 1983, Discussing analysis plans for mineral standards.
II-B-34	J. O. Copeland, EPA:ISB, to R. A. O'Meara, EPA:Region I (identical letters sent to Regions II-X, attached), February 16, 1984, Enclosing documents for transmittal to states (enclosures attached).
II-B-35	M. Laney, Research Triangle Institute, to T. Bingham, Research Triangle Institute, May 23, 1984, Memorandum regarding demolition and renovation jobs during freezing weather.
II-B-36	M. Laney, Research Triangle Institute, to M. McGivney, Research Triangle Institute, June 1, 1984, Memorandum regarding encapsulation jobs as a percentage of asbestos abatement actions.
II-B-37	M. Laney, Research Triangle Institute, to EPA addresses, October 17, 1984, Memorandum regarding feasibility of using HEPA filters after baghouses and scrubbers.
II-B-38	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, December 13, 1984, Memorandum regarding State air pollution regulations on asbestos.
II-B-39	M. Laney and D. Johnston, Research Triangle Institute, to addresses, March 6, 1985, Memorandum regarding use of UTM coordinates versus longitude/latitude to predict annual incidence from asbestos exposure.
II-B-40	M. Samfield, EPA:HATB, to J. O. Copeland, EPA:ISB, April 22, 1985, Memorandum regarding fugitive emission from asbestos dump sites.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-41	M. Samfield, EPA:HATB, to J. O. Copeland, EPA:ISB, April 24, 1985, Memorandum regarding IITRI report, "Field testing of emission controls for asbestos manufacturing waste piles."
II-B-42	T. Link, EPA:EAB, to J. O. Copeland, EPA:ISB, May 2, 1985, Memorandum regarding asbestos demolition methodology discussion paper for NADC.
II-B-43	J. R. Farmer, EPA:ESED, to A. A. Galli, DECD Air Management Policy Group, regarding review of DECD Document "Control of Toxic Substances in the Atmosphere--Asbestos", October 4, 1985.
II-B-44	S. T. Cuffe, EPA:ISB, to J. Breen, EPA:FSB, and R. Wilmoth, EPA:MSB, regarding technical assistance for revision of the asbestos NESHAP, March 17, 1986.
II-B-45	M. Branscome, Research Triangle Institute, to Docket A-80-47, July 9, 1986, Memorandum regarding note to confidential file on Toxic Substances Control Act data.
II-B-46	R. Shigehara, EPA:ESED, to G. Wood, EPA:ESED, August 7, 1985, The EPA test method for measuring asbestos in bulk sample.
II-B-47	M. Laney, RTI, to J. Copeland, EPA:ISB, March 21, 1986, Baghouse operations and malfunction in the asbestos industry.
II-B-48	B. Riddle, EPA:PAB, L. Delpire, EPA:EAB, to Addresses, April 1, 1986, Asbestos exposure and risk assessment.
II-B-49	J. Turner, RTI, to J. Copeland, EPA:ISB, April 24, 1986, Baghouses with high inlet loadings.
II-B-50	M. Laney, RTI, to J. Copeland, EPA:ISB, and S. Roy, EPA:SDB, May 2, 1986, Density of segregated asbestos waste and mixed demolition waste.
II-B-51	F. Curtis, EPA:EMB, to J. Copeland, EPA:ISB, May 16, 1986, Drying of asbestos samples.
II-B-52	M. Laney, RTI, to ASBESTOS DOCKET, June 27, 1986, Visibility threshold for particulate emissions.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-53	J. Copeland, EPA:ISB, to B. Riddle, EPA:PAB, July 31, 1986, Revised annual incidence and asbestos consumption data for milling, manufacturing, and fabrication.
II-B-54	J. Turner, RTI, to M. Laney, RTI, September 8, 1986, Baghouse bag failures.
II-B-55	J. Copeland, EPA:ISB, to N. Spiegelman, Air Branch Region II, Volume estimates for asbestos-containing wastes, September 23, 1986.

4-16-87

RECEIVED
ENVIRONMENTAL PROTECTION
AGENCY

JAN 20 1987
CENTRAL DOCKET
SECTION

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-B
EPA Factual Memoranda

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II-B-53	J. Copeland, EPA:ISB, to B. Riddle, EPA:PAB, July 31, 1986, Revised annual incidence and asbestos consumption data for milling, manufacturing, and fabrication.
II-B-54	J. Turner, RTI, to M. Laney, RTI, September 8, 1986, Baghouse bag failures.
II-B-55	J. Copeland, EPA:ISB, to N. Spiegelman, Air Branch Region II, Volume estimates for asbestos-containing wastes, September 23, 1986.
II-B-56	K. R. Durkee, EPA:ISB, to K. Schuster, EPA:OSW, May 30, 1986, Regarding asbestos waste disposal regulations under the clean air act.

ENVIRONMENTAL PROTECTION
AGENCY

SEP 21 1986
EPA

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-1	S. T. Cuffe, EPA:ESED, to E. C. Bratt, Southern Textiles, January 26, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute and John Copeland of EPA to Southern Textiles plant (enclosures, including questionnaire for milling, manufacturing, and fabricating, attached).
II-C-2	S. T. Cuffe, EPA:ESED, to G. Sitlow, Cement Asbestos Products Company (CAPCO), February 3, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, and J. Copeland of EPA to CAPCO plant (for enclosures, see II-C-1).
II-C-3	S. T. Cuffe, EPA:ESED, to J. W. Armstrong, Bendix Corporation, February 3, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, and J. Copeland of EPA to Bendix plant (for enclosures, see II-C-1).
II-C-4	S. T. Cuffe, EPA:ESED, to J. H. Barbezett, Abex Corporation, February 3, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, and J. Copeland of EPA to Abex plant (for enclosures, see II-C-1).
II-C-5	M. N. Laney, Research Triangle Institute, to L. Eargle, Southern Textile Corporation, February 6, 1981, Enclosing for review draft trip report for visit to Charlotte, North Carolina plant (for enclosure, see II-B-3).
II-C-6	S. T. Cuffe, EPA:ESED, to C. Gates, Wrecking Corporation of America, February 10, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, and J. Copeland of EPA to Weyerhaeuser Corporation demolition site, (for enclosures, see II-C-1, questionnaire for demolition/renovation attached).
II-C-7	S. T. Cuffe, EPA:ESED, to V. Lawrence, LCP Chemicals, New York, Inc., February 17, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute and J. Copeland of EPA to LCP plant (for enclosures, see II-C-1).
II-C-8	S. T. Cuffe, EPA:ESED, to J. Marsh, Raybestos-Manhattan, February 17, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, and J. Copeland of EPA, to Marshville, North Carolina plant (for enclosures, see II-C-1).

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-9	S. T. Cuffe, EPA:ESED, to A. Netter, Supradur Manufacturing Corporation, February 20, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, G. Sverdrup and S. Miller of Battelle Columbus Laboratory, and J. Copeland of EPA to Supradur plant (for enclosures, see II-C-1).
II-C-10	S. T. Cuffe, EPA:ESED, to R. Lee, Rogers Corporation, February 25, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, and J. Copeland of EPA to Rogers Corporation plant (for enclosures, see II-C-1).
II-C-11	S. T. Cuffe, EPA:ESED, to V. Ujcek, GAF Corporation, February 25, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, and J. Copeland of EPA to GAF plant (for enclosures, see II-C-1).
II-C-12	S. T. Cuffe, EPA:ESED, to E. A. Jones, Vermont Asbestos Group, February 25, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, G., Sverdrup and S. Miller of Battelle Columbus Laboratory, and J. Copeland of EPA to Vermont Asbestos Group plant (for enclosures, see II-C-1, questionnaire and Battelle work assignment attached).
II-C-13	S. T. Cuffe, EPA:ESED, to J. F. Reis, Johns-Manville, February 25, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, G. Sverdrup and S. Miller of Battelle Columbus Laboratory, and J. Copeland of EPA to Johns-Manville plant (for enclosures, see II-C-1).
II-C-14	S. T. Cuffe, EPA:ESED, to H. Rhodes, Union Carbide Corporation, February 25, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, G. Sverdrup and S. Miller of Battelle Columbus Laboratory, and J. Copeland of EPA to Union Carbide plant (for enclosures, see II-C-1 and II-C-___).
II-C-15	M. N. Laney, Research Triangle Institute, to E. W. Drislane, Friction Materials Standards Institute, February 27, 1981, Enclosing materials with regard to RTI and Battelle's work plan for review of asbestos standard (enclosures attached).

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-16	M. N. Laney, Research Triangle Institute, to R. Maurer, Resilient Floor Covering Institute, March 3, 1981, Requesting the Institute's cooperation for proposed plant visitation and enclosing materials to explain purpose of visit and information needs (for enclosures, see II-C-1).
II-C-17	S. T. Cuffe, EPA:ESED, to R. Hoylman, Calaveras Asbestos, March 9, 1981, Requesting visit by M. Laney and L. Conrad of Research Triangle Institute, G. Sverdrup and S. Miller of Battelle Columbus Laboratory and J. Copeland of EPA to Calaveras asbestos mill (for enclosures, see II-C-1).
II-C-18	J. O. Copeland, EPA:ISB, to G. Sidlow, Capco Pipe Company, March 9, 1981, Enclosing requested information and discussing pending plant visit (for enclosures, see II-C-1 and II-C-___).
II-C-19	J. O. Copeland, EPA:ISB, to J. Armstrong, Bendix Corporation, March 9, 1981, Forwarding additional information about planned site visit with special reference to confidentiality concerns (for enclosures, see II-C-1 and II-C-___).
II-C-20	J. O. Copeland, EPA:ISB, to C. H. Borcharding, Abex Corporation, March 10, 1981, Enclosing additional information about planned site visit by RTI and Battelle personnel (for enclosures, see II-C-1).
II-C-21	S. T. Cuffe, EPA:ESED, to H. B. Rhodes, Calidria Asbestos, Union Carbide Corporation, March 16, 1981, Explaining need to have certain data on the life cycle of asbestos to estimate emissions.
II-C-22	M. N. Laney, Research Triangle Institute, to V. Lawrence, LCP Chemicals, April 3, 1981, Enclosing for review draft trip report for visit to Solvay, New York plant (for enclosure, see II-B-5).
II-C-23	E. F. Reich, EPA:OE, to F. Blood, Seagull Company, April 15, 1981, Responding to request for approval of specially modified precipitator for asbestos applications.
II-C-24	J. O. Copeland, EPA:ISB, to J. A. Herman, Bendix Corporation, May 19, 1981, Transmitting for approval nonconfidential data production sheet for use in trip report.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-25	F. Reinhardt, EPA:OPTS, to K. C. Pearson, American Society for Testing Materials, May 26, 1981, Enclosing revised draft scope, significance and use, and requirements sections for the standard specification for encapsulating agents for asbestos-containing building materials (enclosure attached).
II-C-26	M. N. Laney, Research Triangle Institute, to J. Scott, Johns-Manville Sales Corporation, June 12, 1981, Enclosing for review draft trip report for visit to Waukegan, Illinois plant (for enclosure, See II-B-10).
II-C-27	M. N. Laney, Research Triangle Institute, to J. Siegfried, Johns-Manville Corporation, June 12, 1981, Enclosing for review draft trip report for visit to Denver, Colorado plant.
II-C-28	M. N. Laney, Research Triangle Institute, to V. Lawrence, LCP Chemicals, June 12, 1981, Enclosing memorandum summarizing conversation with Mr. Lawrence regarding clearance of draft trip report for visit to Solvay, New York plant (attached).
II-C-29	M. N. Laney, Research Triangle Institute, to C. Maron, Rogers Corporation, Enclosing for review draft trip report for visit to Manchester, Connecticut plant.
II-C-30	M. N. Laney, Research Triangle Institute, to J. Herman, Bendix Corporation, July 15, 1981, Enclosing for review draft trip report for visit to Cleveland, Tennessee plant (for enclosure, see II-B-12).
II-C-31	M. N. Laney, Research Triangle Institute, to C. Eads, Bendix Corporation, July 15, 1981, Enclosing for review draft trip report for visit to Cleveland, Tennessee plant (for enclosure, see II-B-12).
II-C-32	M. N. Laney, Research Triangle Institute, to J. Siegfried, Johns-Manville Corporation, July 15, 1981, Enclosing for review draft trip report for visit to Denison, Texas plant.
II-C-33	M. N. Laney, Research Triangle Institute, to J. Reis, Johns-Manville Corporation, July 15, 1981, Enclosing for review draft trip report for visit to Denison, Texas plant.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-34	M. N. Laney, Research Triangle Institute, to J. Lawrence, Johns-Manville Corporation, July 15, 1981, Enclosing for review draft trip report for visit to Denison, Texas plant.
II-C-35	M. N. Laney, Research Triangle Institute, to G. Yanolko, GAF Corporation, July 15, 1981, Enclosing for review draft trip report for visit to Whitehall, Pennsylvania plant (for enclosure, see II-B-9).
II-C-36	J. O. Copeland, EPA:ESD, to S. R. Orem, Industrial Gas Cleaning Institute, December 17, 1981, Requesting assistance in determining appropriateness of air-cleaning specifications contained in national emission standard for asbestos (enclosure attached).
II-C-37	G. W. Smith, EPA:SDB, to W. J. Campbell, Bureau of Mines, February 17, 1982, Acknowledging receipt of letter expressing concern of use of proper nomenclature for asbestos in EPA regulations.
II-C-38	S. T. Cuffe, EPA:ISB, to J. Nelson, Peabody Clean Industries, August 2, 1982, Requesting visit to Hartford Insurance Building in Hartford Connecticut, the site of asbestos removal efforts by Peabody Clean (for enclosures, see II-C-1).
II-C-39	J. O. Copeland, EPA:ISB, to V. Turso, New York Department of Sanitation, August 6, 1982, Requesting visit to New York City Department of Sanitation's waste disposal site for asbestos.
II-C-40	L. A. Conrad, Research Triangle Institute, to J. M. Braden, Chevron USA, Inc., August 11, 1982, Requesting visit to Perth Amboy plant to observe asbestos removal operations during renovation or demolition and enclosing questionnaire on control methods and costs for refinery maintenance (for enclosure, see II-C-1).
II-C-41	J. O. Copeland, EPA:ISB, to K. N. Campbell, Montello, Incorporated, September 9, 1982, Discussing arrangements for visits to oil drilling sites.
II-C-42	J. O. Copeland, EPA:ISB, to R. Kuci, U.S. Marine Corps, October 29, 1982, Requesting visit to Cherry Point, North Carolina base to discuss asbestos removal control techniques.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-43	J. O. Copeland, EPA:ESED, to Commander, Department of the Navy, January 21, 1983, Expressing appreciation for copy of final report no. DNS-686, "Removal of pre-formed asbestos insulation."
II-C-44	J. R. Farmer, EPA:ESED, to M. A. Klein, Crane Paper Company, March 17, 1983, Acknowledging receipt of letter regarding rolling filter process.
II-C-45	J. O. Copeland, EPA:ISB, to J. Sentell, Wichita Kansas Public School Service Center, May 6, 1983, Enclosing draft trip report for review (for attachment, see II-B-31).
II-C-46	J. O. Copeland, EPA:ISB, to L. Kuci, U.S. Marine Corps, May 9, 1983, Enclosing for review draft trip report for visit to Cherry Point, North Carolina base.
II-C-47	J. O. Copeland, EPA:ISB, to K. Nash, W. W. Nash and Sons, Incorporated, May 13, 1983, Enclosing draft trip report for review (for attachment, see II-B-14).
II-C-48	J. O. Copeland, EPA:ISB, to K. N. Campbell, Montello Incorporated, May 13, 1983, Enclosing draft trip report for review.
II-C-49	J. O. Copeland, EPA:ISB, to C. roundtree, SCA Chemical Services Incorporated, May 13, 1983, Enclosing draft trip report for review.
II-C-50	C. Riordan, EPA:ORD, to A. Natale, Duall, Incorporated, May 16, 1983, Discussing EPA methods and procedures for asbestos measurement.
II-C-51	J. Copeland, EPA:ISB, to F. J. Shell, Drilling Specialties Company, May 18, 1983, Enclosing for review draft report for visit to Oklahoma City oil drilling reg sites (for enclosure, see II-B-).
II-C-52	J. O. Copeland, EPA:ISB, to J. Nelson, Peabody Clean Industry, Incorporated, May 19, 1983, Enclosing draft trip report for review.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-53	M. N. Laney, Research Triangle Institute, to E. P. Crockett, American Petroleum Institute, June 1, 1983, Enclosing for review draft summary of API/EPA meeting to discuss asbestos removal activities at refineries (for enclosure, see II-E-78).
II-C-54	J. O. Copeland, EPA:ISB, to F. DePalma, Demex Corporation, June 6, 1983, Enclosing draft trip report for review.
II-C-55	J. O. Copeland, EPA:ISB, to F. Daniel, State Air Pollution Control Board, June 6, 1983, Enclosing draft trip report for review.
II-C-56	J. O. Copeland, EPA:ISB, to P. Fekety, Wayne County Health Department, June 6, 1983, Enclosing draft trip report for review (for attachment, see II-B-15).
II-C-57	J. O. Copeland, EPA:ISB, to S. Santo, New York Department of Sanitation, June 6, 1983, Enclosing draft trip report for review (for attachment, see II-B-17).
II-C-58	J. O. Copeland, EPA:ISB, to B. Smith, Master Clean of North Carolina, Incorporated, June 10, 1983, Enclosing draft trip report for review.
II-C-59	J. O. Copeland, EPA:ISB, to T. Calter, Rhode Island Clean Industries, Inc., June 10, 1983, Enclosing draft trip report for review.
II-C-60	J. O. Copeland, EPA:ISB, to F. Roberts, Roberts Eastern Services, Inc., June 10, 1983, Enclosing draft trip report for review.
II-C-61	J. O. Copeland, EPA:ISB, to F. J. Shell, Drilling Specialties Company, June 10, 1983, Transmitting final trip report for visit to Oklahoma City well drilling sites.
II-C-62	G. Wood, EPA:ISB, to W. L. Baker, National Association of Demolition Contractors, June 20, 1983, Enclosing for review summary of EPA/NADC meeting to discuss asbestos removal during demolition (for enclosure, see II-E-79).
II-C-63	R. H. Ajax, EPA:SDB, to E. J. Laubusch, The Chlorine Institute, August 12, 1983, Acknowledging receipt of comments.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-64	R. J. Ajax, EPA:SDB, to G. E. Parsons, United Technologies Pratt and Whitney Aircraft, August 12, 1983, Acknowledging receipt of comments.
II-C-65	J. R. Farmer, EPA:ESED, to R. P. Klein, Mayor of Amarillo, Texas, September 23, 1983, Section 114 request for information on waste disposal methods and costs (identical letter sent to 9 additional waste disposal firms; mailing list, questionnaire, and other enclosures attached).
II-C-66	J. R. Farmer, EPA:ESED, to J. Weber, ICONCO, September 23, 1983, Section 114 request for information in asbestos control methods and costs for a demolition of a small hotel (identical letter sent to 8 additional demolition or renovation firms; mailing list, questionnaire, draft background information document chapter on model plants/regulatory alternatives, Tables 1 and 2 showing NESHAP/regulatory alternative costs for demolition and renovation models; attached, for other enclosures see II-C-1).
II-C-67	S. T. Cuffe, EPA:ESED, to Industry representatives, September 30, 1983, Transmitting draft chapters 3, 4, and 6 and industry profile of background information document for review and comment (enclosures and mailing list attached).
II-C-68	S. T. Cuffe, EPA:ISB, to federal agencies, health/environmental groups and other interested parties, October 7, 1983, Transmitting draft chapters 3, 4, 6, and industry profile of background information document for review and comment (mailing list attached; for other enclosures, see II-C-67).
II-C-69	J. O. Copeland, EPA:ISB, to B. Rumpke, Rumpke Landfill, October 19, 1983, Acknowledging receipt of Section 114 response on waste disposal costs.
II-C-70	S. T. Cuffe, EPA:ISB, to EPA Regional offices, asbestos coordinators, and miscellaneous trade associations and industry contacts, October 21, 1983, Transmitting draft chapters 3, 4, 6, and industry profile of background information document for review and comment (mailing list attached; for enclosures see II-C-67).

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-71	J. O. Copeland, EPA:ISB, to R. P. Klein, October 25, 1983, Acknowledging receipt of Section 114 response on waste disposal costs.
II-C-72	J. O. Copeland, EPA:ISB, to R. I. Crask, October 25, 1983, American Precision Industries, Acknowledging receipt of comments on draft background information document chapters.
II-C-73	J. O. Copeland, EPA:ISB, to S. H. Cady, Mineral Insulation Manufacturers Association, October 25, 1983, Acknowledging receipt of comments on draft background information document chapters.
II-C-74	J. O. Copeland, EPA:ISB, to S. Santo, November 2, 1983, New York City Department of Sanitation, Acknowledging receipt of Section 114 response on waste disposal costs.
II-C-75	J. O. Copeland, EPA:ISB, to J. M. Jones, Chemical Waste Management, Inc., November 8, 1983, Acknowledging receipt of Section 114 response on waste disposal costs.
II-C-76	J. O. Copeland, EPA:ISB, to J. M. Johnson, Exxon Company, USA, November 15, 1983, Acknowledging receipt of Section 114 response on waste disposal costs.
II-C-77	J. O. Copeland, EPA:ISB, to E. P. Crockett, American Petroleum Institute, November 23, 1983, Acknowledging receipt of comments on draft chapters of background information document.
II-C-78	J. O. Copeland, EPA:ISB, to C. B. Carlan, Browning-Ferris Industries, December 2, 1983, Acknowledging receipt of response to waste disposal cost questionnaire.
II-C-79	J. O. Copeland, EPA:ISB, to V. A. Cammarota, U.S. Bureau of Mines, December 14, 1983, Acknowledging receipt of comments on draft chapters of background information document.
II-C-80	M. N. Laney, Research Triangle Institute, to W. L. Baker, National Association of Demolition Contractors, February 2, 1984, Enclosing for review draft summary of NADC/EPA meeting to discuss asbestos NESHAP review (for enclosure, see II-E-84).

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-81	S. T. Cuffe, EPA:ISB, to addressees (mailing list attached), February 16, 1984, Transmitting draft chapters 3, 4, 6, and industry profile of background information document for review and comment (mailing list and enclosures attached).
II-C-82	J. O. Copeland, EPA:ISB, to B. Becker, STAPPA/ALAPCO, February 16, 1984, Enclosing documents and memoranda relating to the request review of draft asbestos documents by state and regional offices. (State mailing list and memo to Regional offices for other enclosures attached, see II-C-70).
II-C-83	J. O. Copeland, EPA:ISB, to E. J. Secor, H. B. Fuller Company, March 8, 1984, Acknowledging receipt of comments on draft chapters of the background information document.
II-C-84	J. O. Copeland, EPA:ISB, to J. E. Pinkerton, National Council of the Paper Industry for Air and Stream Improvement, March 9, 1984, Acknowledging receipt of comments on draft chapters of the background information document.
II-C-85	M. N. Laney, Research Triangle Institute, to R. Sawyer, March 19, 1984, Requesting copy of research paper on asbestos removal.
II-C-86	S. T. Cuffe, EPA:ISB, to J. T. Adamo, Adamo Wrecking Company, April 10, 1984, Acknowledging receipt of comments and discussing concerns regarding provisions for asbestos size cutoff and notification requirements for demolition and renovation operations.
II-C-87	J. O. Copeland, EPA:ISB, to J. M. Clouse, Colorado Stationary Sources Program, May 31, 1984, Acknowledging receipt of comments on draft chapters of background information document.
II-C-88	J. O. Copeland, EPA:ISB, to B. Peterson, Institute for Environmental Sciences, June 1, 1984, Enclosing for review draft chapters of the background information document (for enclosures, see II-C-___).
II-C-89	M. L. Laney, Research Triangle Institute, to H. Bridges, N. C. Division of State Services, August 27, 1984, Requesting monitoring data for asbestos removal jobs.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-90	J. O. Copeland, EPA:ISB, to C. Seeman, U.S. Postal Service, September 13, 1984, Requesting latitude and longitude data for use in dispersion modeling.
II-C-91	E. E. Reich, EPA:SSCD, to D. R. Johnson, October 4, 1984, Responding to request for information on legal requirements for asbestos removal from office buildings.
II-C-92	J. A. Moore, EPA:OPTS, to E. Rudd, U.S. House of Representatives, January 8, 1985, Responding to constituent's letter from D. W. Jaquays (enclosures attached).
II-C-93	J. R. Farmer, EPA:ESED, to J. Myers, Union Carbide Corporation, April 5, 1985, Section 114 request for information on emissions and control equipment for milling operations (mailing list and enclosures attached).
II-C-94	J. O. Copeland, EPA:ISB, to W. L. Baker, National Association of Demolition Contractors, April 9, 1985, Requesting meeting to discuss disposal practices for non-asbestos demolition debris and demolition projections to 2070.
II-C-95	J. O. Copeland, EPA:ISB, to R. M. Tami, Motion Control Industries, May 15, 1985, Acknowledging receipt of response to Section 114 request.
II-C-96	J. O. Copeland, EPA:ISB, to M. Homiak, International Building Products, May 15, 1985, Acknowledging receipt of response to section 114 request.
II-C-97	J. O. Copeland, EPA:ISB, to T. A. Weber, Amatex Corporation, May 15, 1985, Acknowledging receipt of response to section 114 request.
II-C-98	J. O. Copeland, EPA:ISB, to W. A. Azok, Armstrong World Industries, May 15, 1985, Acknowledging receipt of response to Section 114 request.
II-C-99	J. O. Copeland, EPA:ISB, to A. W. Bluemke, Plaslok Corporation, May 15, 1985, Acknowledging receipt of response to section 114 request.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-100	J. O. Copeland, EPA:ISB, to J. Gullesh, Raymark Corporation, May 15, 1985, Acknowledging receipt of response to section 114 request.
II-C-101	J. O. Copeland, EPA:ISB, to C. S. Long, Manville Building Materials Group, May 15, 1985, Acknowledging receipt of response to section 114 request.
II-C-102	J. O. Copland, EPA:ISB, to G. R. Houser, Raymark Corporation, May 15, 1985, Acknowledging receipt of response to section 114 request.
II-C-103	J. O. Copeland, EPA:ISB, to A. E. Netter, Suprador Manufacturing Corp., May 15, 1985, Acknowledging receipt of response to section 114 request.
II-C-104	J. O. Copeland, EPA:ISB, to H. R. Grossman, Meriden Molded Plastics, Inc., May 15, 1985, Acknowledging receipt of response to section 114 request.
II-C-105	J. O. Copeland, EPA:ISB, to D. E. Stone, Allied Corporation, May 22, 1985, Acknowledging receipt of response to section 114 request.
II-C-106	J. O. Copeland, EPA:ISB, to L. McPheters, Standco Industries, May 22, 1985, Acknowledging receipt of response to section 114 request.
II-C-107	J. O. Copeland, EPA:ISB, to C. Eads, Allied Corporation, May 22, 1985, Acknowledging receipt of response to section 114 request.
II-C-108	J. O. Copeland, EPA:ISB, to A. Shaines, Essex Industries, June 13, 1985, Acknowledging receipt of response to section 114 request.
II-C-109	J. O. Copeland, EPA:ISB, to M. Beauregard, Rogers Corporation, June 13, 1985, Acknowledging receipt of response to section 114 request.
II-C-110	J. O. Copeland, EPA:ISB, to D. P. Johnson, Abex Corporation, June 13, 1985, Acknowledging receipt of response to section 114 request.

II-C-12

606

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-111	J. O. Copeland, EPA:ISB, to J. H. Myers, Calidria Corporation, June 20, 1985, Acknowledging receipt of response to section 114 request.
II-C-112	J. O. Copeland, EPA:ISB, to D. Hall, Certain Teed Corporation, July 21, 1985, Acknowledging receipt of response to section 114 request.
II-C-113	J. R. Farmer, EPA, ESED, to J. Adams, Natural Resources Defense Council, December 16, 1985, Requesting comments on estimates of asbestos emissions.
II-C-114	J. R. Farmer, EPA, ESED, to F. Krupp, Environmental Defense Fund, December 16, 1985, Requesting comments on estimates of asbestos emissions.
II-C-115	J. R. Farmer, EPA, ESED, to S. M. Huey, National Asbestos Council, December 16, 1985, Requesting comments on estimates of asbestos emissions.
II-C-116	J. R. Farmer, EPA, ESED, to G. Erwin, Association of Wall and Ceiling Industries, December 20, 1985, Requesting comments on estimates of asbestos emissions.
II-C-117	J. R. Farmer, EPA, ESED, to B. J. Pigg, Asbestos Information Association, November 27, 1985, Requesting comments on estimates of asbestos emissions (enclosures, including asbestos emission estimates for milling, manufacturing, and fabrication sources, attached).
II-C-118	J. R. Farmer, EPA, ESED, to S. Orem, Industrial Gas Cleaning Institute, November 27, 1985, Requesting comments on estimates of asbestos emissions (for enclosures, see II-C-102).
II-C-119	J. R. Farmer, EPA, ESED, to W. L. Baker, December 6, 1985, Requesting comments on estimates of asbestos emissions (for enclosures, see II-C-102).
II-C-120	J. O. Copeland, EPA:ISB, to R. M. Grishman, Nuturn Corp., September 3, 1985, Acknowledging receipt of response to Section 114 request.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-C-121	J. R. Farmer, EPA:ESED, to D. J. Costlow, Epcon Technologies, Inc., April 28, 1986, Acknowledging receipt of response to Section 114 request.
II-C-122	J. R. Farmer, EPA:ESED, to National Air Pollutants Advisory Committee (NAPCTAC), August 5, 1986, Transmitting agenda, draft preamble/regulation, and background information document for asbestos NESHAP (mailing list and enclosures attached).
II-C-123	J. R. Farmer, EPA:ESED, to industry representatives (mailing list attached), August 6, 1986, Transmitting documents for NAPCTAC Meeting on asbestos standard (for enclosures, see II-C-122).
II-C-124	J. R. Farmer, EPA:ESED, to environmental groups, Federal agencies, and STAPPA/ALAPCO members (mailing list attached), August 13, 1986, Notifying addressees of NAPCTAC Meeting, (for attachments, see II-C-122).
II-C-125	J. R. Farmer, EPA:ESED, to D. M. Moline, ALAPCO, August 13, 1986, Notification of NAPCTAC Meeting, (for attachments, see II-C-122).
II-C-126	J. R. Farmer, EPA:ESED, to W. Sylte, STAPPA, August 13, 1986, Notification of NAPCTAC Meeting, (for attachments, see II-C-122).
II-C-127	S. Roy, EPA:SDB, to K. E. Nyquist, Asbestos Information Association, September 29, 1987, Enclosing copy of slides presented at AIA's annual conference.

ENVIRONMENTAL PROTECTION
AGENCY

SEP 21 1989

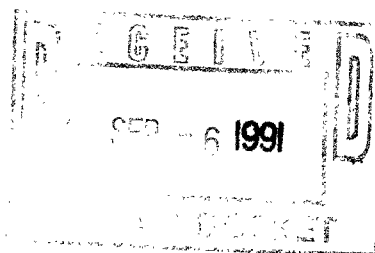
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EPA Docket No. A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-A
EPA Studies and Contractor Reports

Document No.

Description

II-C-128 J. Farmer, EPA:ESD, to B. Steiner, Armco, Inc., October 6,
1988, Discussing requirements for demolition and renovation.



EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-D
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-D-1	R. A. Mertz, National Institute for Occupational Safety and Health, to D. Safer, Cleveland Wrecking Company, April 12, 1973, Discussing asbestos worker exposure during boiler insulation removal work at Cincinnati Gas and Electric Miami Fort Station (data attached).
II-D-2	E. Fenner, Johns-Manville Corporation, to G. Wood, EPA:ISB, June 19, 1973, Transmitting 1971 data from demolition studies conducted in Easton, Pennsylvania.
II-D-3	L. M. Eargle, Southern Textile Corporation, to M. N. Laney, Research Triangle Institute, February 2, 1981, Transmitting product flow charts requested during plant visit.
II-D-4	L. M. Eargle, Southern Textile Corporation, to M. N. Laney, Research Triangle Institute, February 10, 1981, Commenting on draft trip report for visit to Charlotte, North Carolina plant.
II-D-5	J. W. Armstrong, Bendix Corporation, to J. O. Copeland, EPA:ESED, February 16, 1981, Regarding a plant visit related to the production of friction material and the issue of confidentiality.
II-D-6	H. B. Rhodes, Calidria Asbestos, to S. T. Cuffe, EPA:ESED, March 9, 1981, Agreeing to King City California plant visit by RTI and Battelle personnel.
II-D-7	R. D. Maurer, Resilient Floor Covering Institute, to M. Laney, Research Triangle Institute, March 17, 1981, Regarding possible vinyl asbestos tile plant visit.
II-D-8	J. W. Armstrong, Bendix Corporation, to J. O. Copeland, EPA:ISB, March 20, 1981, Regarding Cleveland, Tennessee, plant visitation.
II-D-9	M. R. Norby, Department of the Navy, to J. Copeland, EPA:OAQPS, April 29, 1981, Regarding expressed interest in asbestos-removal technology.
II-D-10	T. A. Dougherty, Asbestos Information Association, to G. Bush, Vice-President, April 30, 1981, Discussing issues for task force on regulatory relief for the industry.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-D
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-D-11	Raybestos Industrial Products, to Research Triangle Institute, received May 6, 1981, note to confidential file.
II-D-12	J. H. Scott, Johns-Manville Sales Corporation, July 7, 1981, Commenting on draft trip report for visit to Waukeegan, Illinois plant (for enclosure, see II-B-10).
II-D-13	J. A. Lawrence, Johns-Manville Sales Corporation, July 24, 1981, Acknowledging receipt of draft trip report for visit to Denison, Texas plant and arranging for review.
II-D-14	C. G. Maron, Rogers Corporation, to M. N. Laney, Research Triangle Institute, July 24, 1981, Commenting on draft trip report for visit to Manchester, Connecticut plant.
II-D-15	J. F. Reis, Johns-Manville Corporation, to M. N. Laney, Research Triangle Institute, July 31, 1981, Commenting on draft trip report for visit to Denver, Colorado plant.
II-D-16	E. Eads, Bendix Corporation, to M. N. Laney, Research Triangle Institute, October 14, 1981, Commenting on draft trip report for visit to Cleveland, Tennessee plant (for enclosure, see II-B-12).
II-D-17	S. L. Bergh, Environ Control, Inc., to S. L. Roy, EPA:ISB, October 19, 1981, Concerning the development of a standard test for friability of asbestos-containing building materials.
II-D-18	S. R. Orem, Industrial Gas Cleaning Institute, to J. Copeland, EPA:ISB, January 7, 1982, Indicating that letter requesting comments on asbestos regulation was circulated in industry representatives.
II-D-19	F. N. Hill, Flow Sensor, to L. A. Conrad, Research Triangle Institute, January 29, 1982, Enclosing requested material on new particle sizing stack samplers.
II-D-20	W. J. Campbell, U.S. Department of the Interior, to G. Smith, EPA:SDB, February 8, 1982, Requesting that he be informed of asbestos developments.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-D
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-D-21	N. W. Paik, Clayton Environmental Consultants, to M. Laney, Research Triangle Institute, July 19, 1982, Discussing worker exposure to asbestos during removal of sprayed material and renovation activity in buildings containing sprayed materials.
II-D-22	J. M. Braden, Chevron USA, Inc., to L. A. Conrad, Research Triangle Institute, August 25, 1982, Declining request for visit to Perth Amboy plant because no asbestos removal operations were scheduled at that time.
II-D-23	J. E. Weber, National Association of Demolition Contractors, to S. Meyers, EPA:OAQPS, September 2, 1982, Concerning proposed amendments and changes to national emission standard for asbestos.
II-D-24	J. E. Weber, National Association of Demolition Contractors, to G. Wood, EPA:SSAS, September 3, 1982, Concerning proposed amendments and changes to the national emission standard for asbestos.
II-D-25	F. J. Shell, Drilling Specialties Company, to M. N. Laney, Research Triangle Institute, September 21, 1982, Enclosing materials on oil and gas well drilling.
II-D-26	K. N. Campbell, Montello, to M. Laney, Research Triangle Institute, October 5, 1982, Enclosing draft copies of OSHA information on asbestos drilling mud additives, field monitoring information, and work practices (attached).
II-D-27	R. A. Kuci, United States Marine Corps to J. O. Copeland, EPA:ESED, November 10, 1982, Approving visit to Marine Corps Air Station and supporting effort to review current asbestos disposal requirements.
II-D-28	F. P. May, United States Gypsum Company, to K. A. Daum, Research Triangle Institute, December 7, 1982, Stating that asbestos-containing insulation products no longer made by his company.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-D
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-D-29	A. Natale, Duall Incorporated, to W. D. Ruckelshaus, EPA:, April 11, 1983, Commenting on "Compliance assistance guidelines: friable asbestos-containing materials in schools; identification and notification rule," particularly regarding the use of optical microscope and scanning electron microscope for analysis of bulk asbestos samples.
II-D-30	F. J. Schell, Drilling Specialties Company, to J. Copeland, EPA:ISB, May 24, 1983, Commenting on draft trip report for visit to Oklahoma City well drilling sites.
II-D-31	A. G. Wylie, University of Maryland, to Dr. D. Lentzen, Research Triangle Institute, May 27, 1983, Discussing conflicting sample analysis results.
II-D-32	A. M. Harvey, R. T. Vanderbilt Company, to F. D. Kover, EPA:OTS, June 7, 1983, Correcting EPA error in asbestiform variety of tremolite cited in Grace report.
II-D-33	B. Smith, Master Clean of North Carolina, to J. Copeland, EPA:ISB, June 10, 1983, Commenting on draft trip report and releasing for public review (attached).
II-D-34	R. A. Kuci, U.S. Marine Corps, to J. O. Copeland, EPA:ISB, June 13, 1983, Commenting on draft trip report.
II-D-35	C. M. Berry, Clyde M. Berry and Associates, to W. M. Ruckelshaus, EPA, June 29, 1983, Commenting on requirement for asbestos insulation removal from schools.
II-D-36	G. Dahmen, Canadian Asbestos Information Centre, to W. D. Ruckelshaus, EPA, July 19, 1983, Enclosing letter to B. Babbitt, Governor of Arizona, and other asbestos-related information (attached).
II-D-37	S. H. Cady, Mineral Insulation Manufacturers Association, to S. T. Cuffe, EPA:ISB, October 6, 1983, Commenting on draft chapters of background information document.
II-D-38	B. Holida, Rumpke Sanitary Landfill, to J. R. Farmer, EPA:ESED, October 6, 1983, Enclosing response to section 114 request.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-D
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-D-39	P. Christal, City of Amarillo, Texas, to J. R. Farmer, EPA:ESED, October 11, 1983, Enclosing response to Section 114 waste management site cost questionnaire (no cover letter attached).
II-D-40	R. I. Crask, American Precision Industries, to J. U. Crowder, EPA:ISB, October 14, 1983, Commenting on draft chapters of background information document.
II-D-41	J. M. Jones, Chemical Waste Management, Inc., to J. R. Farmer, EPA:ESED, October 14, 1983, Enclosing response to Section 114 waste management site cost questionnaire.
II-D-42	M. Massi, New York City Department of Sanitation, to J. R. Farmer, EPA:ESED, October 27, 1983, Enclosing response to Section 114 waste management site cost questionnaire (no cover letter attached).
II-D-43	J. M. Johnson, Exxon Company, to J. R. Farmer, EPA:ESED, November 2, 1983, Enclosing response to Section 114 cost questionnaire for renovation.
II-D-44	R. Klucken, Technical Association of the Pulp and Paper Industry, to S. T. Cuffe, EPA:ISB, November 7, 1983, Commenting on draft BID chapters.
II-D-45	E. P. Crockett, American Petroleum Institute, to S. T. Cuffe, EPA:ISB, November 10, 1983, Commenting on draft chapters of background information document.
II-D-46	C. B. Carlan, Browning-Ferris Industries, to J. R. Farmer, EPA:ESED, November 11, 1983, Enclosing response to Section 114 waste management site cost questionnaire (note to confidential file attached).
II-D-47	V. A. Cammarota, U.S. Department of the Interior, to S. T. Cuffe, EPA:ISB, November 15, 1983, Commenting on draft chapters of background information document.
II-D-48	H. L. Herbert, Edgeboro Disposal, Inc., to J. R. Farmer, EPA:ESED, December 6, 1983, Enclosing response to Section 114 waste management site cost questionnaire (no cover letter attached).

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-D
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-D-49	T. J. Little, Brandenburg Demolition, Inc., to J. O. Copeland, EPA:ISB, December 14, 1983, Discussing cost estimate for demolition of building containing asbestos.
II-D-50	E. J. Secor, H. B. Fuller Company, to S. T. Cuffe, EPA:ISB, February 7, 1984, Commenting on draft chapters of background information document.
II-D-51	J. E. Pinkerton, National Council of the Paper Industry for Air and Stream Improvement, to S. T. Cuffe, EPA:ISB, February 24, 1984, Commenting on draft chapters of the background information document.
II-D-52	J. M. Clouse, Colorado Department of Health, to J. O. Copeland, EPA:ISB, March 26, 1984, Commenting on draft chapters of background information document.
II-D-53	J. B. McDonough, Mine Safety Appliances Company, to J. O. Copeland, EPA:ISB, July 16, 1984, Agreeing to review draft BID chapter.
II-D-54	R. A. Merther, Grace Company, to M. N. Laney, Research Triangle Institute, July 20, 1984, Discussing Monokote, a vermiculite-based product used for structural steel fire-proofing.
II-D-55	J. M. Warren, Natural Resources Defense Council, Inc., to W. D. Ruckelhaus, EPA, September 11, 1984, Enclosing petition for a prohibition on continued use of asbestos in automobile brakes pursuant to the Toxic Substances Control Act (attached).
II-D-56	B. Betterton, South Carolina Department of Health and Environmental Control, November 29, 1984, Discussing asbestos regulations.
II-D-57	D. W. Jaquays, Jaquays Mining Corporation, to E. Rudd, U.S. House of Representatives, December 5, 1984, Commenting on EPA regulation of asbestos (enclosures attached).
II-D-58	W. A. Azok, Armstrong, to J. O. Copeland, EPA:ISB, April 15, 1985, Response to section 114 requests.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-D
Correspondence from EPA to Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-D-59	Amatex Corporation to EPA, April 18, 1985, Response to section 114 requests (no cover letter).
II-D-60	M. Homiak, International Building Products, Inc., to J. R. Farmer, EPA:ESED, April 22, 1985, Response to section 114 requests.
II-D-61	Plaslok Corporation, to EPA, April 22, 1985, Response to section 114 requests (no cover letter).
II-D-62	R. M. Tami, Motion Control, to J. R. Farmer, EPA:ESED, April 23, 1985, Response to section 114 requests.
II-D-63	A. E. Netter, Supradur, to J. R. Farmer, EPA:ESED, April 25, 1985, note to confidential file.
II-D-64	J. Gullesh, Raymark-Stratford, to J. R. Farmer, EPA:ESED, April 29, 1985, Response to section 114 requests.
II-D-65	C. S. Long, Manville, to J. Copeland, EPA:ISB, April 30, 1985, Response to section 114 requests, note to confidential file.
II-D-66	G. R. Houser, Raymark-Manheim, to J. R. Farmer, EPA:ESED, May 2, 1985, Response to section 114 requests.
II-D-67	D. E. Stone, Allied Automotive, to J. R. Farmer, EPA:ESED, May 10, 1985, Response to section 114 requests.
II-D-68	Meridan Molded Plastics, Inc., to EPA, May 10, 1985, Response to section 114 requests (no cover letter).
II-D-69	Standco Industries, Inc., to EPA, May 13, 1985, Response to section 114 requests (no cover letter).
II-D-70	Rogers Corporation, to EPA, May 20, 1985, Response to section 114 requests (no cover letter).
II-D-71	Allied-Automotive, to EPA, May 22, 1985, Response to section 114 requests (no cover letter).
II-D-72	D. P. Johnson, Abex, to J. O. Copeland, EPA:ISB, May 28, 1985, Response to section 114 requests.

EPA Docket No. OAQPS A-80-47
 EPA Project No. 80/41
 Asbestos NESHAP Review
 Category II
 Items Considered in Developing Proposal
 Subcategory II-D
 Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-D-73	Essex Industries, Inc., to EPA, May 29, 1985, Response to section 114 requests (no cover letter).
II-D-74	J. L. Meyers, Calidria Corporation, to J. R. Farmer, EPA:ESED, June 6, 1985, Response to section 114 requests.
II-D-75	D. R. Hall, Certainteed Corporation, to J. R. Farmer, EPA:ESED, June 25, 1985, Response to section 114 requests.
II-D-76	R. M. Grisham, Nuturn Corporation, to J. R. Farmer, EPA:ESED, July 30, 1985, Response to section 114 requests (note to confidential file).
II-D-77	D. E. Stone, Allied Automotive, to J. R. Farmer, EPA:ESED, September 4, 1985, Enclosing copies of blueprints not included in May 10, 1985 letter.
II-D-78	L. E. Mohrmann, Texas Department of Health, to J. O. Copeland, EPA:ISB, June 6, 1986, Regarding solid waste--statewide asbestos disposal rules.
II-D-79	W. L. Baker, NADC, to J. R. Farmer, December 12, 1985, Requesting that additional copies of December 6 letter to be sent to members indicated on enclosed list.
II-D-80	D. L. Kiasy, Safe State, to J. R. Farmer, EPA:ESED, January 10, 1986, Enclosing comments on proposed revisions to national emission standard for hazardous air pollutants for asbestos.
II-D-81	A. S. Claveria, McCrone Environmental Services, Inc., to J. R. Farmer, EPA:ESED, January 14, 1986, Enclosing comments on proposed revisions to national emission standard for hazardous air pollutants for asbestos.
II-D-82	A. L. Apter, Hercules Demolition Corp, to W. L. Baker, NADC, January 15, 1986, Enclosing report concerning "Asbestos Emissions Estimates for Demolition and Renovation."
II-D-83	H. T. Hudgins, Hudgins and Company, Inc., to W. L. Backer, NADC, January 17, 1986, Submitting comments regarding emissions from asbestos removal operations.

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 ENVIRONMENTAL PROTECTION
 AGENCY

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 SECTION

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-D-84	W. L. Baker, NADC, to J. R. Farmer, EPA:ESED, February 3, 1986, Responding to November 1985 letter and submitting comments and answers to EPA questionnaire.
II-D-85	K. E. Nyquist, Asbestos Information Association, to J. R. Farmer, EPA:ESED, March 21, 1986, Enclosing asbestos industry response to EPA's November 27 questionnaire on revisions to emission standard for asbestos.
II-D-86	T. M. Allen, New York State Department of Environmental Conservation, to J. R. Farmer, EPA:ESED, September 30, 1986, NESHAPS Comments.
II-D-87	L. Daniel, State of N.C. Department of Natural Resources and Community Development, to J. R. Farmer, EPA:ESED, Regarding comments on draft proposed amendments to 40 CFR 61, Subpart M-Asbestos NESHAP, September 17, 1986.
II-D-88	L. Lee, Michigan Department of Natural Resources, to Sims Roy, EPA:SDB, September 22, 1986, Transmitting information about the National Emission Standards for Hazardous Air Pollutants.
II-D-89	C. M. Deese, Law Offices Webster, Chamberlain and Bean, to J. Copeland, EPA:OAQPS, October 20, 1986, Regarding Asbestos NESHAP.
II-D-90	J. Durst, United Brotherhood of Carpenters, to Sims Roy, EPA:ESED, November 6, 1986, Regarding 40 CFR 61, Asbestos NESHAP draft revisions.
II-D-91	J. N. Siegfried, Manville, to J. R. Farmer, EPA:ESED, November 11, 1986, Commenting on 40 CFR 61, Asbestos NESHAP draft revisions.
II-D-92	K. E. Nyquist, Asbestos Information Association, to J. R. Farmer, EPA:ESED, December 15, 1986, Commenting on draft revisions to National Emission Standards for Hazardous Air Pollutants on Asbestos.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-D-93	W. L. Baker, NADC, to J. R. Farmer, EPA:ESED, January 16, 1987, Enclosing the NADC document "An Effective Asbestos Regulation for Demolition" for comment.
II-D-94	K. E. Nyquist, Asbestos Information Association, to J. R. Farmer, EPA:ESED, January 8, 1987, Enclosing "Attachment A of December 15, 1986 comment package.

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category II

Items Considered in Developing Proposal

Subcategory II-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-1	L. A. Conrad, Research Triangle Institute, to file, January 19, 1981, Telecon with regard to site visit to Abex in Salisbury, North Carolina.
II-E-2	L. A. Conrad, Research Triangle Institute, to file, January 20, 1981, Telecon with regard to site visit to Southern Textiles in Charlotte, North Carolina.
II-E-3	L. A. Conrad, Research Triangle Institute, to file, January 21, 1981, Telecon with G. Smart with regard to future contracts involving removal of asbestos from existing structures.
II-E-4	L. A. Conrad, Research Triangle Institute, to file, January 27, 1981, Telecon with regard to inspection of demolition job at Weyerhaeuser.
II-E-5	L. A. Conrad, Research Triangle Institute, to file, January 27, 1981, Telecon with regard to site visit at Bendix Corporation plant in Cleveland, Tennessee.
II-E-6	L. A. Conrad, Research Triangle Institute, to file, January 27, 1981, Telecon with regard to site visit to CAPCO Pipe Company in Ragland, Tennessee.
II-E-7	L. A. Conrad, Research Triangle Institute, to file, February 6, 1981, Telecon with G. Sverdrup, Battelle, with regard to visiting worksites.
II-E-8	L. A. Conrad, Research Triangle Institute, to file, February 9, 1981, Telecon with V. Lawrence in regard to visit to Linden Chemicals and Plastics (LCP) in Solvay, New York.
II-E-9	L. A. Conrad, Research Triangle Institute, to file, February 9, 1981, Telecons with representatives of Supradur Manufacturing Corporation in Wingap, Pennsylvania with regard to proposed plant visit.
II-E-10	L. A. Conrad, Research Triangle Institute, to file, February 9, 1981, Telcon with J. Whitt, Wrecking Corporation of America, with regard to rescheduling of visit to the Weyerhaeuser demolition project.

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category II

Items Considered in Developing Proposal

Subcategory II-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-11	L. A. Conrad, Research Triangle Institute, to file, February 9, 1981, Summary of telecons with Weyerhaeuser personnel to advise them of proposed visit by RTI and EPA representatives to observe demolition by the Wrecking Corporation of America.
II-E-12	L. A. Conrad, Research Triangle Institute, to file, February 9, 1981, Telecon with S. Burdick, Onandaga County Department of Health, to inform him of intended visit to Linden Chemicals and Plastics.
II-E-13	M. N. Laney, Research Triangle Institute, to J. F. Reis, Johns-Manville Corporation, February 10, 1981, Telecon with regard to visit to Manville, New Jersey plant.
II-E-14	L. A. Conrad, Research Triangle Institute, to file, February 18, 1981, Telecon with G. Yanalho, GAF, with regard to plant visit to observe operation of asbestos emission control equipment.
II-E-15	L. A. Conrad, Research Triangle Institute, to file, February 18, 1981, Summary of telecons with Rogers Corporation officials with regard to plant visit in Manchester, Connecticut.
II-E-16	L. A. Conrad, Research Triangle Institute, to file, February 19, 1981, Telecon with H. Rhodes to schedule a visit to the Union Carbide asbestos mill in King City, California.
II-E-17	L. A. Conrad, Research Triangle Institute, to file, February 20, 1981, Summary of telecons with ASARCO representatives with regard to arrangements to visit the Capco Pipe Company in Ragland, Alabama.
II-E-18	M. N. Laney, Research Triangle Institute, to file, February 20, 1981, Telcon with J. Marsh to schedule visit to Raybestos-Manhattan asbestos textile plant in Marshville, North Carolina.
II-E-19	M. N. Laney, Research Triangle Institute, to file, February 20, 1981, Telecon with J. T. Resis, Johns-Manville Corporation, to schedule plant visit.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-E
Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-20	L. A. Conrad, Research Triangle Institute, to file, February 27, 1981, Summary of telecons with Calaveras Asbestos to schedule plant visit at Copperopolis, California, mill by RTI and Battelle representatives.
II-E-21	M. N. Laney, Research Triangle Institute, to file, March 9, 1981, Telecon concerning delay of visit to Supradur Manufacturing Corporation, New York.
II-E-22	L. A. Conrad, Research Triangle Institute, to file, March 10, 1981, Telecon with T. Netter, Supradur Corporation, with regard to delay in plant visit by Research Triangle Institute and Battelle personnel.
II-E-23	L. A. Conrad, Research Triangle Institute, to file, March 10, 1981, Summary of telecons with Dr. H. B. Rhodes with regard to Union Carbide plant at King City by Research Triangle Institute and Battelle personnel.
II-E-24	M. N. Laney, Research Triangle Institute, to file, May 19, 1981, Record of meeting with Asbestos Information Association.
II-E-25	M. Davis, EPA, to file, May 22, 1981, Telecon regarding conversation with F. Randall, Suffolk County Department of Health Services, Regarding possible asbestos removal project for local junior high school.
II-E-26	M. N. Laney, Research Triangle Institute, to file, June 11, 1981, Record of conference on encapsulation of asbestos-containing building materials.
II-E-27	L. A. Conrad, Research Triangle Institute, to file, June 12, 1981, Telecon with V. Lawrence, LCP Chemicals, on clearance of trip report.
II-E-28	M. N. Laney, Research Triangle Institute, to R. Garber, Asphalt Pavement Association, August 13, 1981, Summary of telecon with regard to use of asbestos in asphalt concrete.
II-E-29	L. A. Conrad, Research Triangle Institute, to file, August 19, 1981, Telecon with R. Bolton discussing removal techniques of asbestos roofing.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-E
Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-30	L. A. Conrad, Research Triangle Institute, to file, August 19, 1981, Telecon with G. Irwin regarding drywall and old insulation removal.
II-E-31	L. A. Conrad, Research Triangle Institute, to file, October 6, 1981, Record of 6th Asbestos Information Association/Government conference.
II-E-32	L. A. Conrad, Research Triangle Institute, to file, October 21, 1981, Record of EPA/Asbestos Information Association meeting.
II-E-33	L. A. Conrad, Research Triangle Institute, to D. Garde, Asbestos Control, Inc., March 3, 1982, Telecon concerning written specifications for hanging of polyethylene barriers to contain asbestos during asbestos removal operations.
II-E-34	M. Laney, Research Triangle Institute, to R. Self and D. Spencer, N.C. Department of Public Education, March 9, 1982, Telecon regarding asbestos in N.C. schools.
II-E-35	M. Laney, Research Triangle Institute, to J. Cesario, NYC Board of Education, April 27, 1982, Telecon regarding encapsulation of asbestos and asbestos in NYC schools.
II-E-36	M. Wright, Research Triangle Institute, to L. H. McGrievy, Marathon Oil Company, May 2, 1982, Telecon regarding asbestos usage in petroleum refineries.
II-E-37	M. Laney, Research Triangle Institute, to B. Baker, National Association of Demolition Contractors, May 5, 1982, Telecon regarding loose asbestos and asbestos batting in home insulation.
II-E-38	M. Laney, Research Triangle Institute, to B. Pigg, Asbestos Information Association, May 5, 1982, Telecon regarding loose asbestos and asbestos batting in home insulation.
II-E-39	M. Laney, Research Triangle Institute, to J. Whelan, Montgomery County Department of Environmental Protection, May 7, 1982, Telecon regarding asbestos use in homes.

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category II

Items Considered in Developing Proposal

Subcategory II-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-40	M. Wright, Research Triangle Institute, to J. McGirt, Carolina Power and Light Company, May 14, 1982, Telecon concerning asbestos usage in power plants.
II-E-41	M. N. Laney, Research Triangle Institute, to G. Hall, D. H. Griffin Wrecking Company, May 17, 1982, Telecon concerning demolition methods.
II-E-42	M. Laney, Research Triangle Institute, to Mr. Robson, Carnival Cruise Lines, May 25, 1982, Telecon regarding asbestos use aboard passenger ships.
II-E-43	M. Wright, Research Triangle Institute, to C. Mills, TVA, May 25, 1982, Telecon concerning asbestos usage in electric generating plants.
II-E-44	M. Wright, Research Triangle Institute, to Mr. Poppe, Eastern Cruise Lines, May 27, 1982, Telecon concerning asbestos usage on cruise ships.
II-E-45	M. Wright, Research Triangle Institute, to to Mr. Giacabbe, Home Lines Cruise, May 27, 1982, Telecon concerning asbestos usage on cruise ships.
II-E-46	M. Wright, Research Triangle Institute, to G. Irwin, Association of Wall and Ceiling Industry, June 21, 1982, Telecon concerning drywall usage in construction.
II-E-47	L. Conrad, Research Triangle Institute, to J. Evans, Edison Electric Institute, June 22, 1982, Telecon concerning demolition of fossil fuel power plants.
II-E-48	L. Conrad, Research Triangle Institute, to D. Leaderham, EPRI, June 23, 1982, Telecon concerning demolition of fossil fuel steam generating power plants.
II-E-49	L. Conrad, Research Triangle Institute, to M. Kimbrow, Energy Information Administration, June 23, 1982, Telecon concerning demolition of fossil fuel steam generating power plants.
II-E-50	L. Conrad, Research Triangle Institute, to J. Tsikerdanos, American Petroleum Institute, June 28, 1982, Telecon regarding demolition of petroleum refineries.

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category II

Items Considered in Developing Proposal

Subcategory II-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-51	M. Wright, Research Triangle Institute, to R. Sawyer, Guilford, Connecticut, June 28, 1982, Telecon regarding asbestos in private homes.
II-E-52	S. York, Research Triangle Institute, to P. Haig, New Jersey Bureau of Air Pollution Control, August 16, 1982, Telecon concering regulation of asbestos emissions from demolition/renovation.
II-E-53	S. York, Research Triangle Institute, to S. Sashoua, New Jersey State Department of Solid Waste, August 16, 1982, Telecon concerning disposal of asbestos.
II-E-54	S. York, Research Triangle Institute, to J. Harrington, New York Bureau of Source Control, August 16, 1982, Telecon concerning regulation of asbestos emissions from demolition/renovation.
II-E-55	S. York, Research Triangle Institute, to Maine Bureau of Air Quality Control, August 16, 1982, Telecon concerning regulation of asbestos emissions from demolition/renovation and waste disposal.
II-E-56	S. York, Research Triangle Institute, to E. Palagyi, Florida Department of Environmental Regulation, August 16, 1982, Telecon concerning regulation of asestos emissions from demolition/renovation and asbestos waste disposal.
II-E-57	S. York, Research Triangle Institute, to B. Ordrusek, Indiana State Board of Health, August 17, 1982, Telecon concerning regulation of asbestos emissions from demolition/renovation and asbestos waste disposal.
II-E-58	S. York, Research Triangle Institute, to J. Cronin, Kansas Department of Health and Environment, August 17, 1982, Telecon concerning asbestos waste disposal.
II-E-59	S. York, Research Triangle Institute, to Connecticut Department of Environmental Protection, August 18, 1982, Telecon concerning regulation of asbestos emissions from demolition/renovation.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-E
Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-60	S. York, Research Triangle Institute, to Michigan Department of Natural Resources, August 18, 1982, Telecon concerning regulation of asbestos emissions from demolition/renovation.
II-E-61	S. York, Research Triangle Institute, to L. Miller, Vermont Agency of Environmental Conservation, August 18, 1982, Telecon concerning regulation of asbestos emissions from demolition/renovation.
II-E-62	S. York, Research Triangle Institute, to J. Erwin, Kansas Department of Health and Environment, August 18, 1982, Telecon concerning regulation of asbestos emissions from demolition/renovation.
II-E-63	S. York, Research Triangle Institute, to C. Eberhardt, New Mexico Health and Environment Department, August 18, 1982, Telecon concerning regulation of asbestos emissions from demolition/renovation and solid waste disposal.
II-E-64	S. York, Research Triangle Institute, to R. Calamine, South Dakota Department of Health, Division of Air Quality and Solid Waste, August 18, 1982, Telecon concerning regulation of asbestos emissions from demolition/renovation.
II-E-65	S. York, Research Triangle Institute, to B. Weser, West Virginia Air Pollution Control Commission, August 20, 1982, Telecon concerning regulation of asbestos emissions from demolition/renovation.
II-E-66	M. Wright, Research Triangle Institute, to B. Gager, Automotive Parts Rebuilders Association, August 26, 1982, Telecon regarding firms engaged in rebuilding automotive brakes.
II-E-67	M. Wright, Research Triangle Institute, to J. Moore, Kinsley's Landfill, August 30, 1982, Telecon regarding asbestos waste disposal.
II-E-68	S. York, Research Triangle Institute, to Connecticut Division of Hazardous Waste, August 31, 1982, Telecon concerning disposal of asbestos waste.

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category II

Items Considered in Developing Proposal

Subcategory II-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-69	S. York, Research Triangle Institute, to J. Dunbar, Georgia Municipal Solid Waste Branch, August 31, 1982, Telecon concerning disposal of asbestos waste.
II-E-70	M. Wright, Research Triangle Institute, to T. Armstrong, Johns-Manville Corporation, September 3, 1982, Telecon regarding asbestos waste disposal.
II-E-71	S. York, Research Triangle Institute, to P. Bartholemew, Illinois EPA, September 14, 1982, Telecon concerning regulation of asbestos emissions from demolition/renovation operations.
II-E-72	J. O. Copeland, EPA:ISB, to G. Wood, EPA:ISB, October 7, 1982, Telecon with B. Pigg, Asbestos Information Association, regarding asbestos insulating materials.
II-E-73	M. Wright, Research Triangle Institute, to B. Williams, Veterans Administration Medical Center, Tennessee, December 9, 1982, Telecon regarding cost information for asbestos removal.
II-E-74	M. Wright, Research Triangle Institute, to E. Jones, United States Postal Service, December 9, 1982, Telecon concerning cost information on asbestos removal.
II-E-75	M. Wright, Research Triangle Institute, to M. Davenport, NAVFAC, December 9, 1982, Telecon concerning cost information on asbestos removal.
II-E-76	M. Wright, Research Triangle Institute, to H. Swartzman, VA Medical Center, December 9, 1982, Telecon concerning cost information on asbestos removal.
II-E-77	J. O. Copeland, EPA:ISB, to G. Wood, EPA:ISB, December 16, 1982, Telecon with J. Barnhart, Thermal Insulation Contractors Association, regarding asbestos thermal insulation.
II-E-78	M. Laney, Research Triangle Institute, to file, May 31, 1983, Record of meeting with American Petroleum Institute to discuss asbestos removal activities at refineries.
II-E-79	M. Laney, Research Triangle Institute, to file, June 16, 1983, Record of meeting with National Association of Demolition Contractors to discuss asbestos removal and demolition.

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category II

Items Considered in Developing Proposal

Subcategory II-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-80	L. Chaput, EPA:SDB, to file, July 22, 1983, Telecon with G. Adams regarding asbestos amendments.
II-E-81	L. Chaput, EPA:SDB, to file, September 2, 1983, Telecon with J. Grossman, TVA, regarding comments on asbestos amendments.
II-E-82	M. N. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, October 4, 1983, Record of the annual Asbestos Information Association/Government conference.
II-E-83	M. Wright, Research Triangle Institute, to C. O'Connor, American Air Filter, January 17, 1984, Telecon regarding cost of HEPA filters on baghouse exhaust.
II-E-84	M. Laney and M. Wright, Research Triangle Institute, to Docket A-80-47, January 25, 1984, Record of meeting with the National Association of Demolition Contractors to discuss asbestos NESHAP review.
II-E-85	M. Laney, Research Triangle Institute, to McCrone Associates, January 25, 1984, Telecon regarding cost of asbestos bulk sample analysis.
II-E-86	M. Laney, Research Triangle Institute, to B. Newman, Asbestos Control Technology, Inc., February 24, 1984, Telecon regarding cost of Nilfisk vacuum systems.
II-E-87	M. Laney, Research Triangle Institute, to J. Copeland, March 19, 1984, Record of workshop on the monitoring and evaluation of airborne asbestos levels following an abatement program.
II-E-88	M. Laney, Research Triangle Institute, to B. Baker, National Association of Demolition Contractors, April 17, 1984, Telecon regarding frequency of freezing weather demolitions.
II-E-89	M. Laney, Research Triangle Institute, to P. Hefferman, EPA: Region I, May 3, 1984, Telecon regarding use of encapsulation methods for school asbestos abatement projects.
II-E-90	M. Laney, Research Triangle Institute, to J. Riley, EPA: Region IV, May 3, 1984, Telecon regarding freezing weather exemptions and waste disposal practices.

II-E-9

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category II

Items Considered in Developing Proposal

Subcategory II-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-91	M. Laney, Research Triangle Institute, May 3 and 18, 1984, to B. Mykijewycz, EPA:Region III, Telecon regarding demolition/renovation wetting exemptions and waste disposal practices.
II-E-92	M. Laney, Research Triangle Institute, to T. Elter, EPA: Region I, May 3, 1984, Telecon regarding demolition/renovation freezing weather exemptions and waste disposal practices.
II-E-93	M. Laney, Research Triangle Institute, to J. Littell, EPA: Region IV, May 4, 1984, Telecon regarding encapsulation of asbestos in schools.
II-E-94	M. Laney, Research Triangle Institute, to K. Goslawski, EPA: Region III, May 10, 1984, Telecon regarding encapsulation as an abatement method in Region III.
II-E-95	M. Laney, Research Triangle Institute, to J. West, EPA: Region VI, May 10, 1984, Telecon regarding use of encapsulation in Region VI schools.
II-E-96	M. Laney, Research Triangle Institute, to J. A. Heiman, EPA: Region VII, May 18, 1984, Telecon regarding asbestos NESHAP activities in EPA Region VII.
II-E-97	M. Laney, Research Triangle Institute, to S. Farrow, EPA: Region VIII, May 18, 1984, Telecon regarding use of encapsulation in Region VIII schools.
II-E-98	M. Laney, Research Triangle Institute, to B. McGinnis, EPA: Region I, May 22, 1984, Telecon regarding exemption from wetting allowed for freezing weather.
II-E-99	M. Laney, Research Triangle Institute, to J. A. Semones, EPA: Region IX, May 29, 1984, Telecon regarding frequency of encapsulation in Region IX.
II-E-100	M. Laney, Research Triangle Institute, to J. Copeland, July 6, 1984, Record of asbestos demolition and renovation inspection workshops.
II-E-101	M. Laney, Research Triangle Institute, to R. Young, Denver Air Pollution Control Administration, May 18, 1984 and July 16, 1984, Telecon regarding demolition and renovation activities.

EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category II

Items Considered in Developing Proposal

Subcategory II-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-102	M. Laney, Research Triangle Institute, to D. Ewing, Dell Ewing Association, July 16, 1984, Telecon regarding asbestos content of sprayed insulation.
II-E-103	M. Laney, Research Triangle Institute, to S. Cady, Mineral Insulation Manufacturers Association, July 16, 1984, Telecon regarding asbestos content of insulating products.
II-E-104	M. Laney, Research Triangle Institute, to R. Bissonnette, Minnesota Department of Air Quality, July 16, 1984, Telecon regarding state asbestos standard for demolition and renovation.
II-E-105	M. Laney, Research Triangle Institute, to J. Kloepping, U.S. Mineral Products Company, July 16, 1984, Telecon regarding asbestos content of sprayed insulation.
II-E-106	M. Laney, Research Triangle Institute, to L. Thornbury, American Vermiculite Corporation, July 23, 1984, Telecon regarding contaminant asbestos in vermiculite.
II-E-107	M. Laney, Research Triangle Institute, to B. Varner, EPA: Region V, May 3 and 7, June 26, and August 7, 1984, Telecon regarding freezing weather exemptions and waste disposal practices in Region V.
II-E-108	J. Turner, Research Triangle Institute, to G. Brook, Morley Brothers (Huddersfield) Ltd., September 11, 1984, Telecon regarding combined baghouse/HEPA filter.
II-E-109	J. Turner, Research Triangle Institute, to B. Leighton, Air asbestos working group, September 14, 1984, Telecon regarding combined particle collector/HEPA filter.
II-E-110	J. Turner, Research Triangle Institute, to M. Thayer, Industrial air pollution inspectorate, London, England, September 18, 1984, Telecon regarding HEPA filters after baghouses and scrubbers for asbestos.
II-E-111	J. Turner, Research Triangle Institute, to N. Alvares, Lawrence Livermore National Laboratory, September 19, 1984, Telecon regarding HEPA filters after scrubbers for asbestos control.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-E
Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-112	J. Turner, Research Triangle Institute, to B. Hilliard, Hanford Engineering Development Laboratory, September 19, 1984, Telecon regarding HEPA filters after scrubbers for asbestos control.
II-E-113	M. Wright, Research Triangle Institute, to Mr. Newman, Asbestos Control Technology, Inc., October 11, 1984, Telecon regarding outdoor enclosures for asbestos maintenance.
II-E-114	M. Wright, Research Triangle Institute, to J. Guth, Inter-science Research, Inc., October 11, 1984, Telecon regarding outdoor enclosures for asbestos maintenance.
II-E-115	M. Wright, Research Triangle Institute, to K. Nash, W. W. Nash & Sons, Inc., October 15, 1984, Telecon regarding outdoor enclosures for asbestos maintenance.
II-E-116	M. Wright, Research Triangle Institute, to H. Pauley, Duke Power Company, November 7, 1984, Telecon regarding outdoor enclosures for asbestos maintenance work.
II-E-117	J. Copeland, EPA:ISB, to file, April 22, 1985, Memorandum regarding NADC/EPA meeting (letter, agenda, and demolition/renovation projection data attached).
II-E-118	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB and S. Roy, EPA:SDB, April 9, 1986, Regarding meeting with Water Engineering Research Laboratory, EPA and NIOSH.
II-E-119	M. Laney, Research Triangle Institute, to B. Merther, W. R. Grace, July 16, 1984, Telecon regarding asbestos content of sprayed materials.

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EPA Docket No. OAQPS A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category II

Items Considered in Developing Proposal

Subcategory II-E

Memoranda of Meetings and Telephone Conversations with Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-112	J. Turner, Research Triangle Institute, to B. Hilliard, Hanford Engineering Development Laboratory, September 19, 1984, Telecon regarding HEPA filters after scrubbers for asbestos control.
II-E-113	M. Wright, Research Triangle Institute, to Mr. Newman, Asbestos Control Technology, Inc., October 11, 1984, Telecon regarding outdoor enclosures for asbestos maintenance.
II-E-114	M. Wright, Research Triangle Institute, to J. Guth, Inter-science Research, Inc., October 11, 1984, Telecon regarding outdoor enclosures for asbestos maintenance.
II-E-115	M. Wright, Research Triangle Institute, to K. Nash, W. W. Nash & Sons, Inc., October 15, 1984, Telecon regarding outdoor enclosures for asbestos maintenance.
II-E-116	M. Wright, Research Triangle Institute, to H. Pauley, Duke Power Company, November 7, 1984, Telecon regarding outdoor enclosures for asbestos maintenance work.
II-E-117	J. Copeland, EPA:ISB, to file, April 22, 1985, Memorandum regarding NADC/EPA meeting (letter, agenda, and demolition/renovation projection data attached).
II-E-118	M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB and S. Roy, EPA:SDB, April 9, 1986, Regarding meeting with Water Engineering Research Laboratory, EPA and NIOSH.
II-E-119	M. Laney, Research Triangle Institute, to B. Merther, W. R. Grace, July 16, 1984, Telecon regarding asbestos content of sprayed materials.
II-E-120	M. Laney, Research Triangle Institute, to D. Hogue, Georgia Institute of Technology, November 11, 1986, Telecon regarding use of rigid containers for handling asbestos waste from demolition and renovation operations.

EXHIBIT 2, PROJECT
APR 21 1985

EPA Docket No. A-80-47

EPA Project No. 80/41

Asbestos NESHAP Review

Category II

Items Considered in Developing Proposal

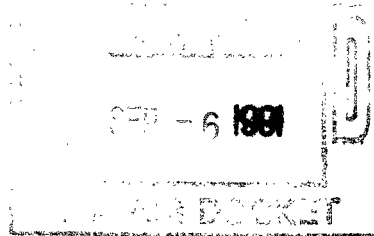
Subcategory II-C

Correspondence to EPA from Persons Outside the Agency

Document No.

Description

II-E-121 M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB,
July 29, 1985, Summary of NADC/EPA meeting in Philadelphia, PA
on May 17, 1985.



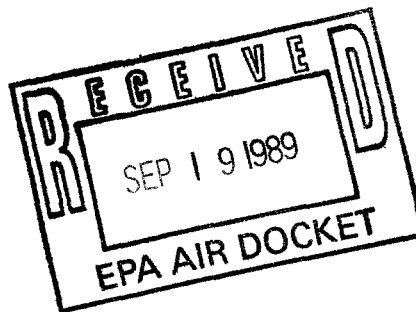
EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-F
Interagency Review Materials

Document No.

Description

II-F-1

Office of Management and Budget Package for Executive Order
12291 Review, March 27, 1987.



EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-I
Reference Materials

<u>Document No.</u>	<u>Description</u>
II-I-1	Technical bulletins, chrysolite fiber in asbestos textiles, in friction materials, in vinyl asbestos floor tile, and in asphalt coatings, Johns-Manville Corporation, undated, 4 pp.
II-I-2	Brochure, Asbestite products for asbestos abatement, Arpin Products, Inc., undated, 26 pp.
II-I-3	Paper, Derivation of emission estimates (unpublished draft), D. P. Fowler, SRI International, undated, 28 pp.
II-I-4	Document, Merchant fleets of the world, U. S. Department of Commerce, Maritime Administration, annually 1959-1972, 1975, 1976, published 1960-1973, 1976, 1977, 36 pp.
II-I-5	Document, U. S. Census of Housing: 1960, components of inventory change, report no. HC(4), part 1A-1, 1973, pp. 22, 75, 97, 119, 141.
II-I-6	Article, The work environment of insulating workers, J. Blazer and W. Cooper, American Industrial Hygiene Journal, vol. 29, May-June 1968, pp. 222-27.
II-I-7	Report, Asbestos as a hazardous contaminant II, Canadian Ministry of the Environment, report no. ARB-TDA-01-75, January 1975, 211 pp.
II-I-8	Reference text, Industrial market structure and economic performance, F. M. Scherer, Rand McNally College Publishing Company, 1970, pp. 3-6.
II-I-9	Document, 1967 census of construction industries: wrecking and demolition work special trade contractors, U. S. Department of Commerce, Bureau of the Census, July 1970, tables 6 and 7.
II-I-10	Article, Glass fiber mats to reduce effluents from industrial processes, J. Goldfield et al., Journal of Air Pollution Control Association, vol. 20, July 1970, pp. 466-69.
II-I-11	Article, A comparison of mass and fibre concentrations of asbestos dust in shipyard insulation processes, P. G. Harries, Annals of Occupational Hygiene, vol. 14, 1971, pp. 235-40.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-I
Reference Materials

<u>Document No.</u>	<u>Description</u>
II-I-12	Reference text, Standard industrial classification manual, U.S. Office of Management and Budget, 1972, p. 143.
II-I-13	Article, Application of sprayed inorganic fiber containing asbestos: occupational health hazards, W. Reitz et al., American Industrial Hygiene Association Journal, vol. 33, March 1972, pp. 178-91.
II-I-14	Document, 1970 census of housing: components of industry change, U. S. Department of Commerce, Bureau of the Census, no. HC(4)-1, June 1973, pp. 1-10, 1-67, 1-188, 1-208, 1-228, 1-248.
II-I-15	Reference text, Sanitary landfill technology, Samuel Weiss, Noyes Data Corporation, London, England, 1974, p. 197.
II-I-16	Reference text, Chemical and process technology encyclopedia, D. Considine (ed.), McGraw-Hill Book Company, 1974, pp. 106, 230, 233, 272-276, 417, 477, 614, 789, 886-87, 913, 1035.
II-I-17	Document, Historical statistics of the United States--colonial times to 1970, part 2, U.S. Department of Commerce, Bureau of the Census, 1975, pp. 757-58.
II-I-18	Report, Technological feasibility and economic impact of the OSHA proposed revision to the asbestos standard, Roy F. Weston Environmental Consultants-Designers, prepared for the Asbestos Information Association/North America, March 29, 1976, 189 pp.
II-I-19	Report, Characterization of the U.S. asbestos papers markets, Arthur D. Little, Inc., prepared for SORES Inc, May 1976, 42 pp.
II-I-20	Research text, ASHRAE handbook of fundamentals, chapter 19: infiltration and natural ventilation, American Society of Heating, Refrigeration and Air Conditioning Engineers, Inc., 1977, pp. 333-343.
II-I-21	Article, Asbestos exposure in a Yale building, R. N. Sawyer, Environmental Research, vol. 13, 1977, pp. 146-69.
II-I-22	Research text, Dictionary of business and economics, C. Ammer and D. Ammer, The Free Press, 1977, p. 440.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-I
Reference Materials

<u>Document No.</u>	<u>Description</u>
II-I-23	Research text, The structure of American industry, W. Adams ed., chapter 3: the steel industry, 5th ed., Macmillan Publishing Company, 1977, pp. 86-90, 490-92.
II-I-24	Document, Current industrial reports: inorganic chemicals, U. S. Department of the Interior Bureau of Mines, no. M28(77)-4, April 1977, 1 pp.
II-I-25	Report, Asbestos dust in the construction industry, part II: economic appendix, Research Triangle Institute, prepared for U.S. Occupational Safety and Health Commission, OSHA contract no. J-9-F-6-0035, June 1977, 229 pp.
II-I-26	Article, Determinants of scrapping rates for postwar vintage automobiles, R. Parks, Econometrica, vol. 45, no. 5, July 1977, pp. 1099-1115.
II-I-27	Document, Mineral commodity profiles, asbestos - 1977, R. A. Clifton, U. S. Department of the Interior, Bureau of Mines, no. MCP-6, September 1977, 17 pp.
II-I-28	Report, Dust exposures during the cutting and machining of asbestos/cement pipe, Equitable Environmental Health, Inc., prepared for The A/C Pipe Producers Association, December 15, 1977, 38 pp.
II-I-29	Paper, Ambient measurements of asbestos in the vicinity of asbestos sources, R. B. Ruch and A. Serper, presented at 4th joint conference on sensing environmental pollutants, American Chemical Society, 1978, pp. 867-70.
II-I-30	Research text, Engineering aspects of asbestos dust control, G. S. Rahjans and G. M. Bragg, Ann Arbor Science Publishers Inc., 1978, pp. 32-35.
II-I-31	Research text, Asbestos: an information resource, R. J. Levine (ed.), National Cancer Institute and National Institute of Health, DHEW no. (NIH) 78-1681, May 1978, 180 pp.
II-I-32	Article, Industrial hygiene study of the Albee theater demolition, D. R. Roberts, National Institute for Occupational Safety and Health, May 23, 1978, 5 pp.

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
Category II
Items Considered in Developing Proposal
Subcategory II-I
Reference Materials

<u>Document No.</u>	<u>Description</u>
II-I-33	Technical bulletin, Oil and gas well drilling fluid chemicals, American Petroleum Institute, no. API BUL 13F, August 1978, 9 pp.
II-I-34	Report, Asbestos dust: technological feasibility and economic impact analysis of the proposed federal occupational standard, part I: technological feasibility assessment and economic impact analysis, prepared for the U.S. Occupational Safety and Health Administration, contract no. J-9-F-6-0225, September 1978, 473 pp.
II-I-35	Report, Asbestos dust: technological feasibility and economic impact analysis of the proposed federal occupational standard: part II: economic appendix, Research Triangle Institute, prepared for the U.S. Occupational Safety and Health Administration, contract no. J-9-F-6-0025, September 1978, 229 pp.
II-I-36	Report, Asbestos dust: technological feasibility and economic impact analysis of the proposed federal occupational standard, part III: technical appendices, Research Triangle Institute, prepared for the U.S. Occupational Safety and Health Administration, contract no. J-9-F-6-0025, September 1978, 187 pp.
II-I-37	Article, Monitored asbestos concentrations in Connecticut, L. Bruckman and R. A. Rukine, Journal of the Air Pollution Control Association, vol. 28, December 1978, pp. 1221-26.
II-I-38	Article, U. S. asbestos industry, Asbestos, vol. 60, no. 6, Stover Publishing Company, December 1978, pp. 3, 16-17, 28, 30-33, 36.
II-I-39	Document, 1977 Census of manufactures, vol. II: industry statistics, part 2, major groups 27-34, section 28A, industrial inorganic chemicals and section 32E, abrasive, asbestos, and miscellaneous nonmetnallic mineral products, U.S. Department of Commerce, Bureau of the Census, 1979, pp. 28A-1, 28A-5, 28A-15, 28A-17, 28A-33 -28A-37, 32E-1 -32E-34.
II-I-40	Document, Mineral commodity summaries: 1979, asbestos, U.S. Department of the Interior, Bureau of Mines, January 1979, pp. 14-15.

EPA Docket No. OAQPS A-80-47
 EPA Project No. 80/41
 Asbestos NESHAP Review
 Category II
 Items Considered in Developing Proposal
 Subcategory II-I
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<u>Document No.</u>	<u>Description</u>
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II-I-13

EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
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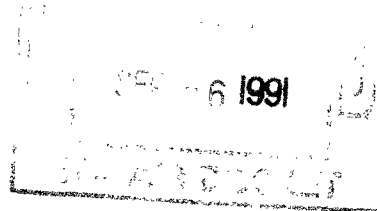
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Asbestos NESHAP Review
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EPA Project No. 80/41
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EPA Docket No. OAQPS A-80-47
EPA Project No. 80/41
Asbestos NESHAP Review
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NATIONAL PROTECTION
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II-J-2

152